

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
 Data File : BF140997.D
 Acq On : 27 Dec 2024 15:26
 Operator : RC/JU
 Sample : P5299-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-01

Quant Time: Dec 27 15:55:22 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:31:16 2024
 Response via : Initial Calibration

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

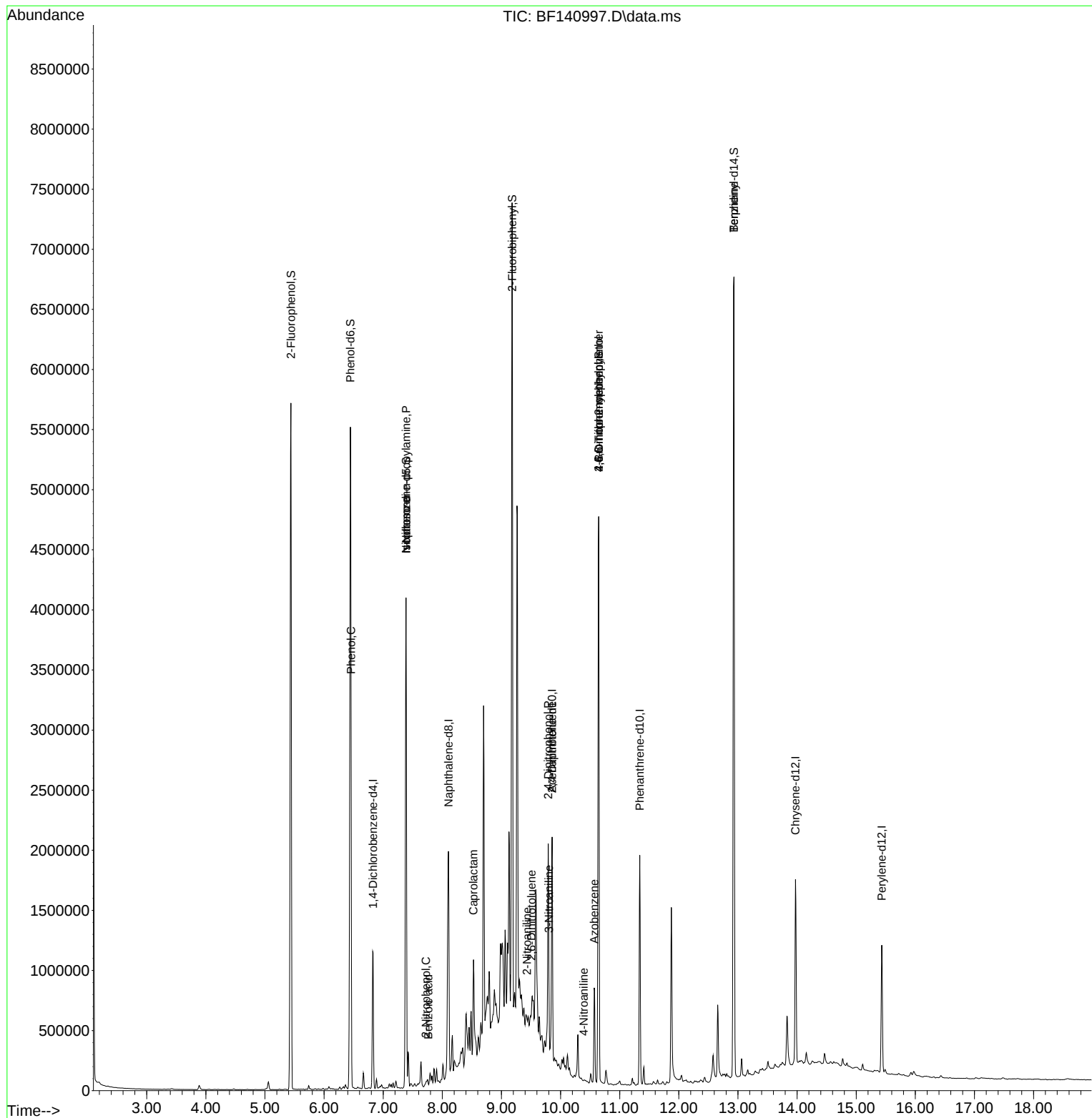
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	238907	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	955704	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	516337	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	913709	20.000	ng	0.00
76) Chrysene-d12	13.974	240	692228	20.000	ng	-0.01
86) Perylene-d12	15.433	264	585265	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	2358477	148.808	ng	0.00
7) Phenol-d6	6.445	99	2945330	144.258	ng	0.00
23) Nitrobenzene-d5	7.386	82	1873347	125.408	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	862439	171.894	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	2893279	89.277	ng	0.00
79) Terphenyl-d14	12.933	244	3450870	82.803	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.369	77	926	Below Cal	#	67
10) Phenol	6.457	94	43487	2.060	ng	# 1
19) n-Nitroso-di-n-propyla...	7.386	70	257032	20.549	ng	# 78
25) Isophorone	7.386	82	1863399	57.325	ng	# 65
26) 2-Nitrophenol	7.722	139	577	5.376	ng	# 1
32) Benzoic acid	7.763	122	817	7.763	ng	# 60
35) Caprolactam	8.528	113	19105	4.171	ng	# 1
48) 2-Nitroaniline	9.433	65	940	4.750	ng	# 51
51) 2,6-Dinitrotoluene	9.510	165	2157	3.942	ng	# 29
53) 3-Nitroaniline	9.804	138	178	3.287	ng	# 16
54) 2,4-Dinitrophenol	9.792	184	146	6.267	ng	# 1
57) 2,4-Dinitrotoluene	9.857	165	70672	12.056	ng	# 21
62) 4-Nitroaniline	10.392	138	244	3.376	ng	# 63
63) Azobenzene	10.569	77	205496	5.839	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.645	198	1879	9.759	ng	# 1
67) 4-Bromophenyl-phenylether	10.645	248	54505	5.518	ng	# 1
77) Benzidine	12.933	184	45668	3.122	ng	# 93

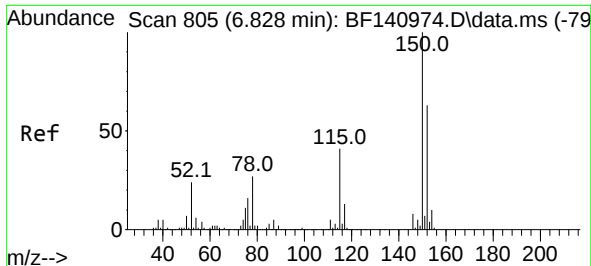
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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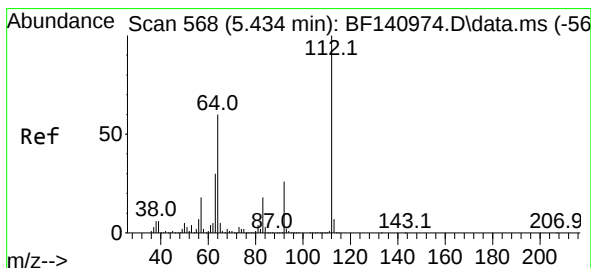
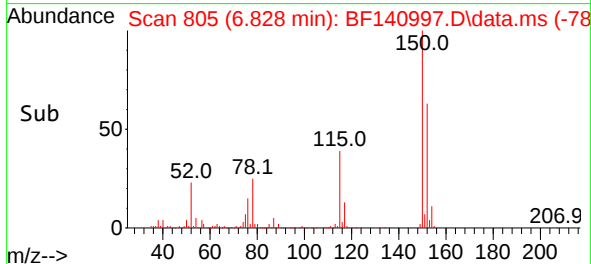
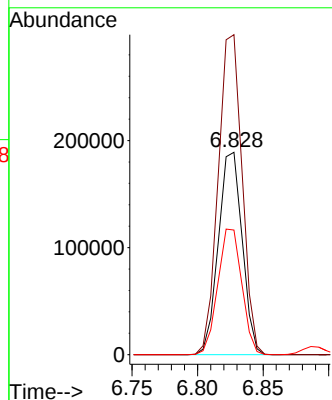
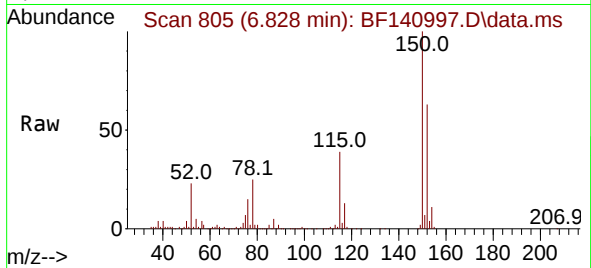




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

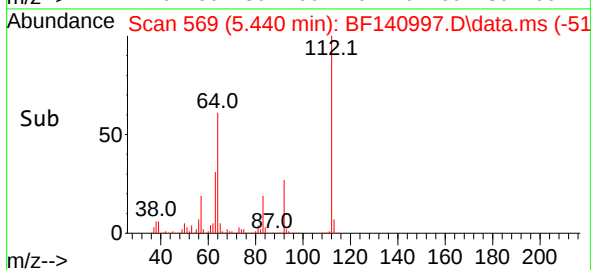
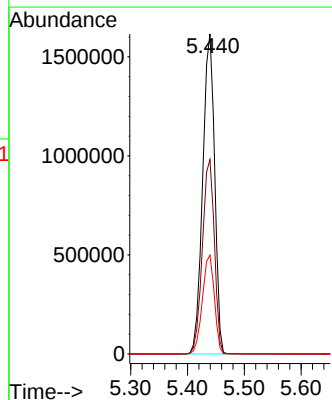
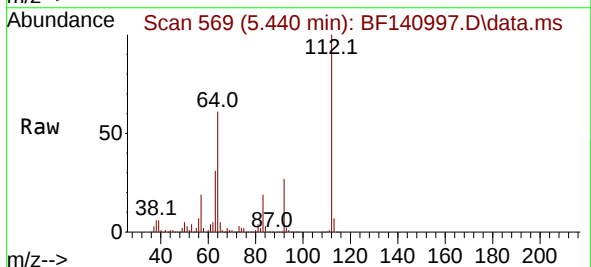
Instrument :
BNA_F
ClientSampleId :
SB-01

Tgt Ion:152 Resp: 238907
Ion Ratio Lower Upper
152 100
150 158.0 127.0 190.6
115 61.6 51.7 77.5



#5
2-Fluorophenol
Concen: 148.808 ng
RT: 5.440 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

Tgt Ion:112 Resp: 2358477
Ion Ratio Lower Upper
112 100
64 60.8 47.7 71.5
63 30.8 24.2 36.2

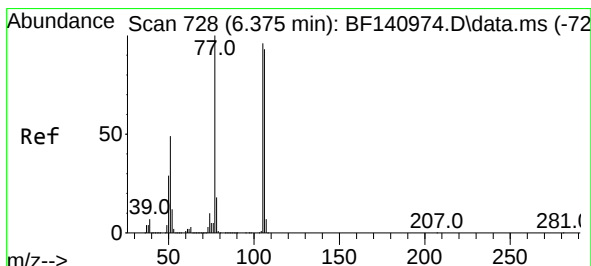
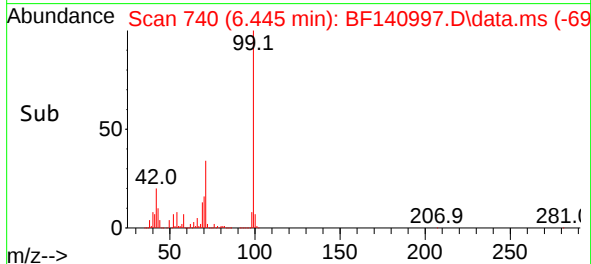
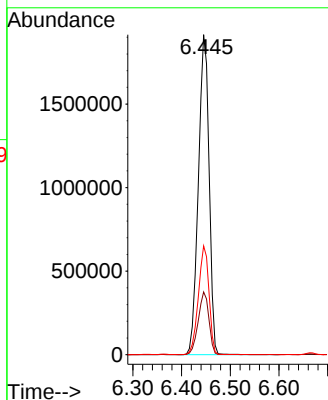
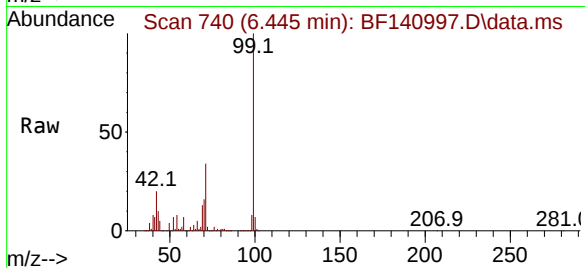




#7
Phenol-d6
Concen: 144.258 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

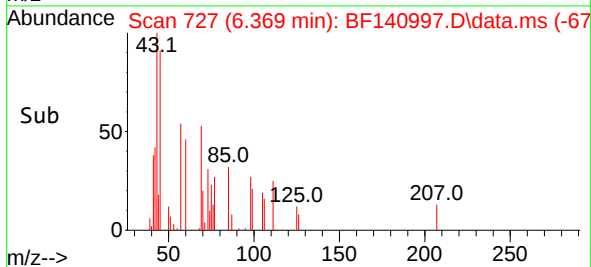
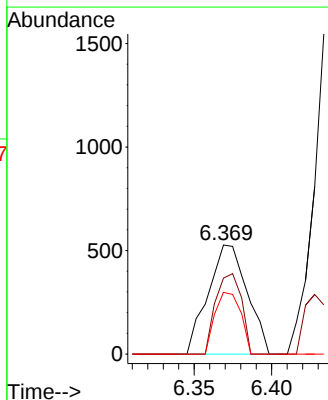
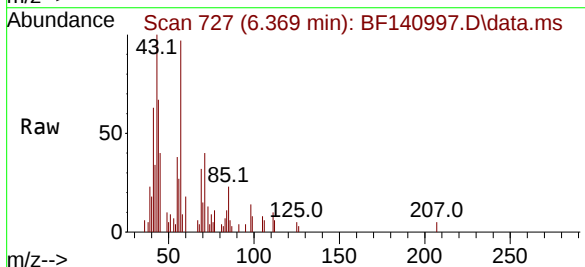
Instrument :
BNA_F
ClientSampleId :
SB-01

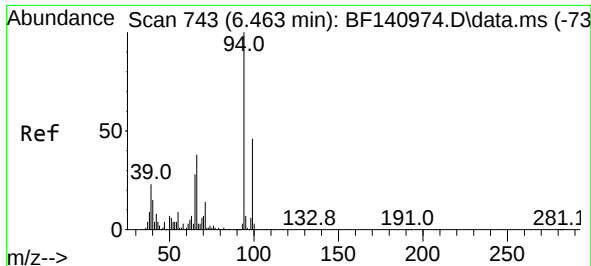
Tgt Ion: 99 Resp: 2945330
Ion Ratio Lower Upper
99 100
42 19.6 15.0 22.4
71 34.0 26.2 39.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.369 min Scan# 727
Delta R.T. -0.006 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

Tgt Ion: 77 Resp: 926
Ion Ratio Lower Upper
77 100
105 69.6 76.2 116.2#
106 56.5 73.4 113.4#

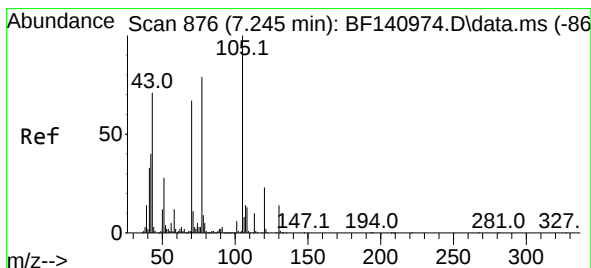
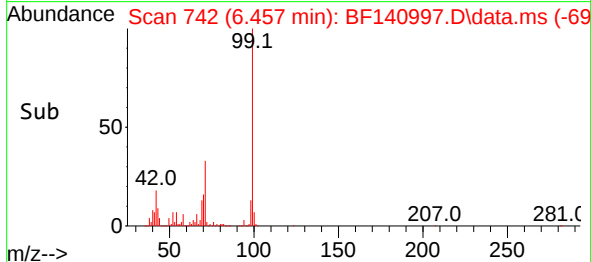
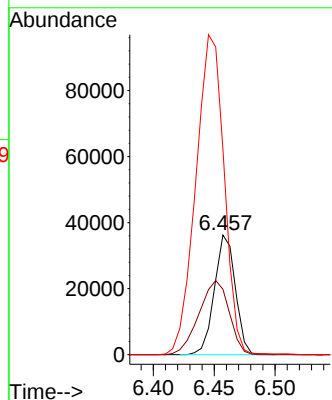
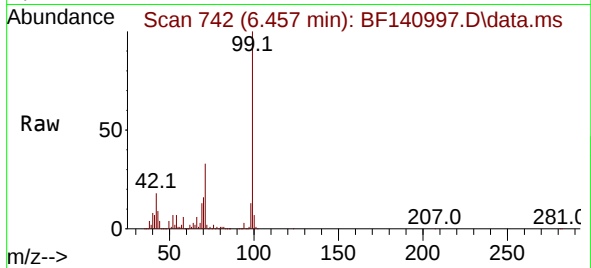




#10
Phenol
Concen: 2.060 ng
RT: 6.457 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

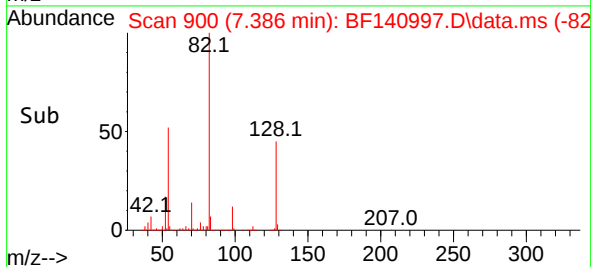
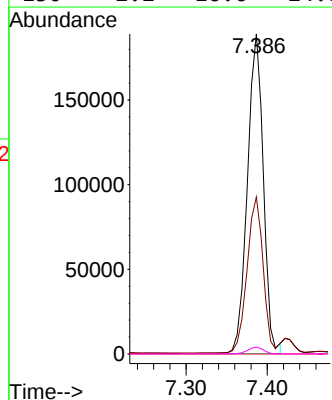
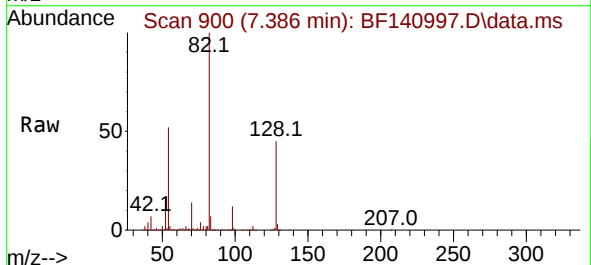
Instrument :
BNA_F
ClientSampleId :
SB-01

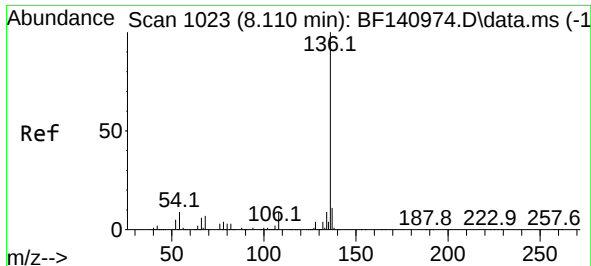
Tgt Ion: 94 Resp: 43487
Ion Ratio Lower Upper
94 100
65 54.6 8.1 48.1#
66 171.8 18.7 58.7#



#19
n-Nitroso-di-n-propylamine
Concen: 20.549 ng
RT: 7.386 min Scan# 900
Delta R.T. 0.141 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

Tgt Ion: 70 Resp: 257032
Ion Ratio Lower Upper
70 100
42 49.0 48.1 72.1
101 0.0 7.6 11.4#
130 2.2 16.6 24.8#



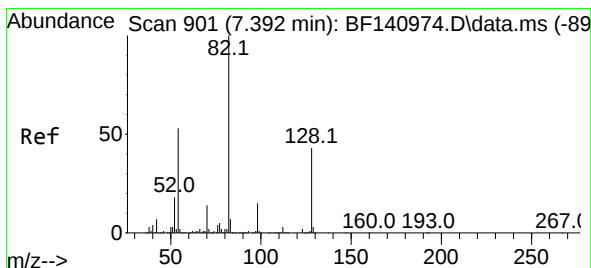
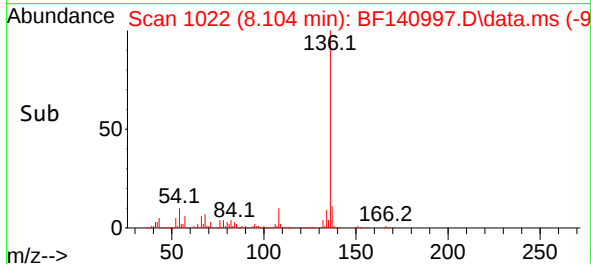
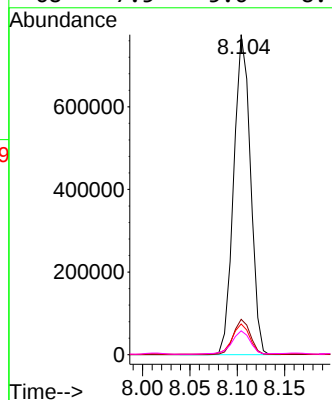
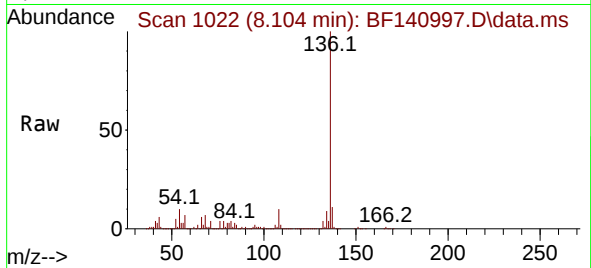


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

Instrument :
BNA_F
ClientSampleId :
SB-01

Tgt Ion:136 Resp: 955704

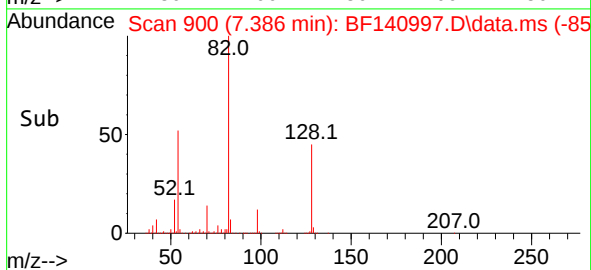
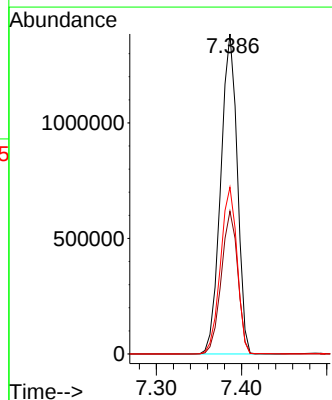
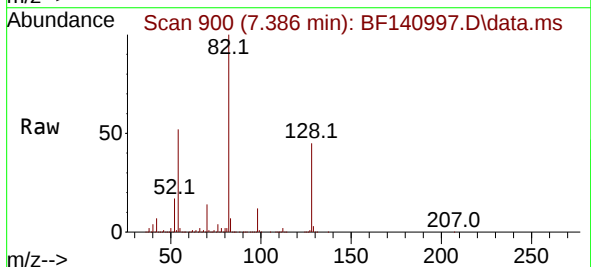
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	9.6	7.6	11.4
68	7.5	5.6	8.4

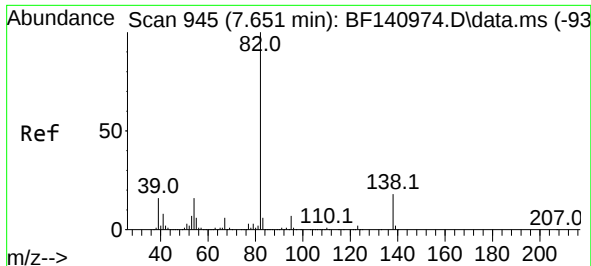


#23
Nitrobenzene-d5
Concen: 125.408 ng
RT: 7.386 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

Tgt Ion: 82 Resp: 1873347

Ion	Ratio	Lower	Upper
82	100		
128	44.6	34.4	51.6
54	52.1	42.4	63.6

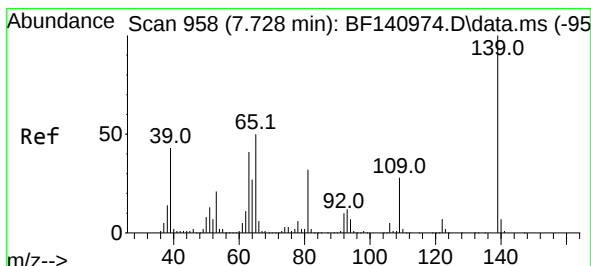
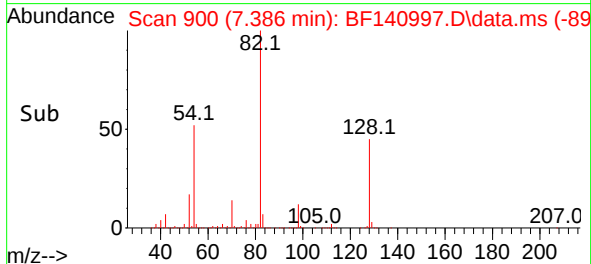
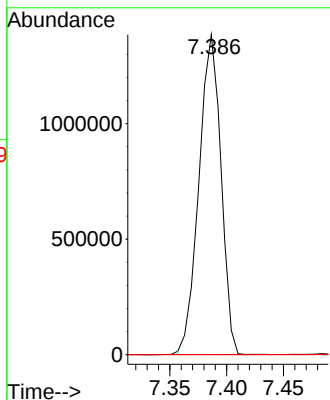
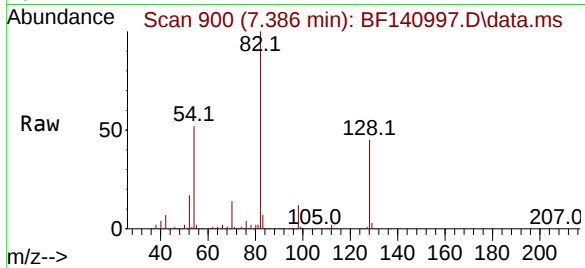




#25
Isophorone
Concen: 57.325 ng
RT: 7.386 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

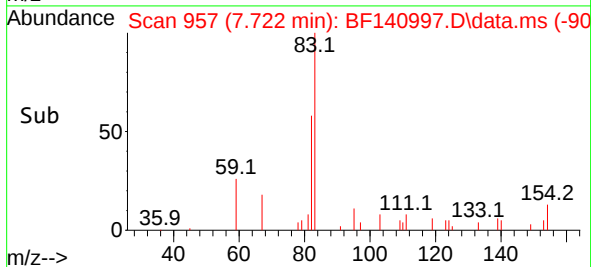
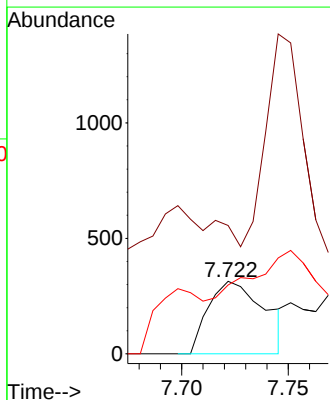
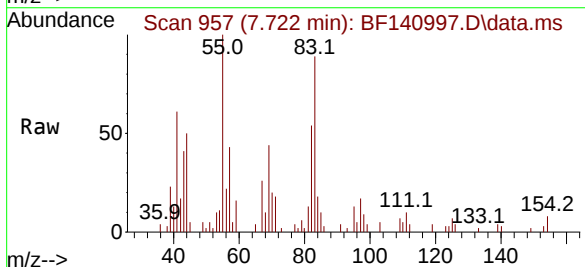
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BNA_F
ClientSampleId :
SB-01

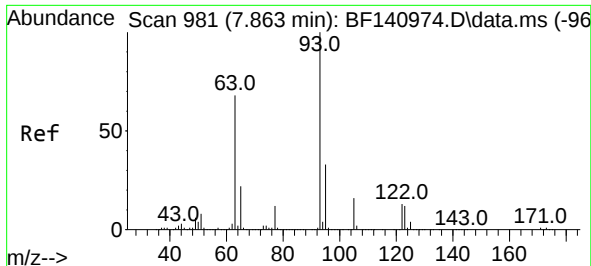
Tgt Ion: 82 Resp: 1863399
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.6 21.8#



#26
2-Nitrophenol
Concen: 5.376 ng
RT: 7.722 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

Tgt Ion:139 Resp: 577
Ion Ratio Lower Upper
139 100
109 177.1 22.2 33.4#
65 94.9 40.2 60.4#

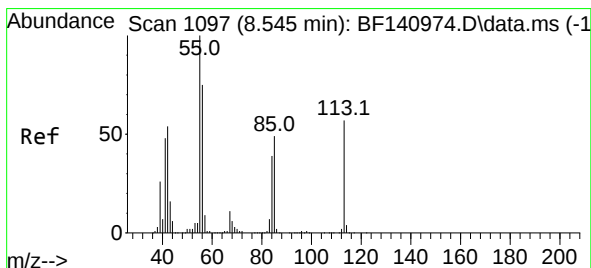
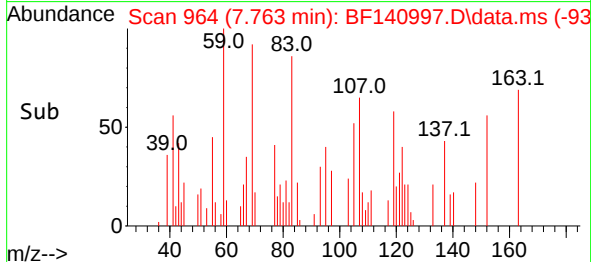
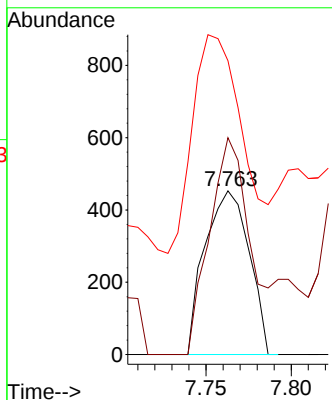
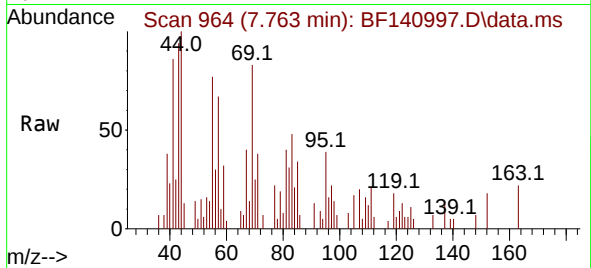




#32
Benzoic acid
Concen: 7.763 ng
RT: 7.763 min Scan# 90
Delta R.T. -0.100 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

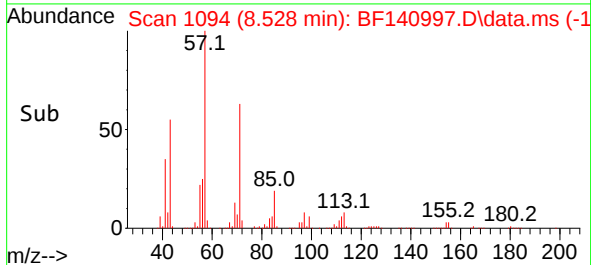
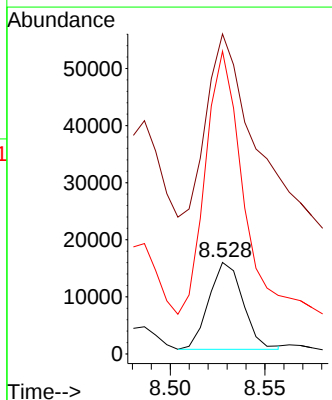
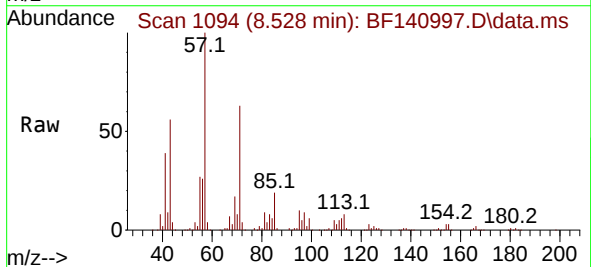
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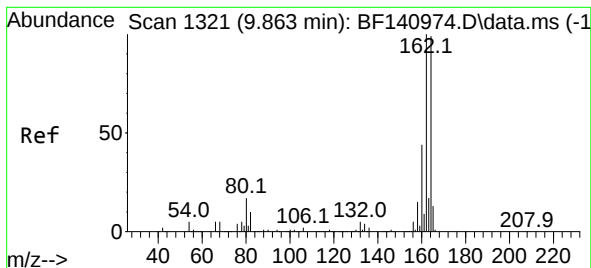
Tgt Ion:122 Resp: 817
Ion Ratio Lower Upper
122 100
105 132.5 105.4 145.4
77 179.5 76.4 116.4#



#35
Caprolactam
Concen: 4.171 ng
RT: 8.528 min Scan# 1094
Delta R.T. -0.018 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

Tgt Ion:113 Resp: 19105
Ion Ratio Lower Upper
113 100
55 349.5 156.6 196.6#
56 330.7 111.7 151.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140997.D

Acq: 27 Dec 2024 15:26

Instrument :

BNA_F

ClientSampleId :

SB-01

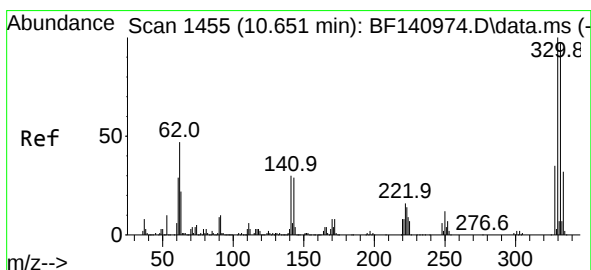
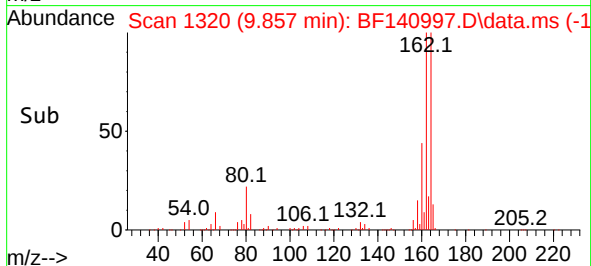
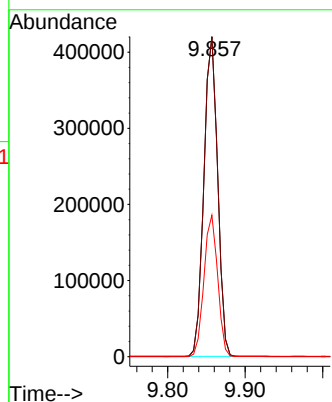
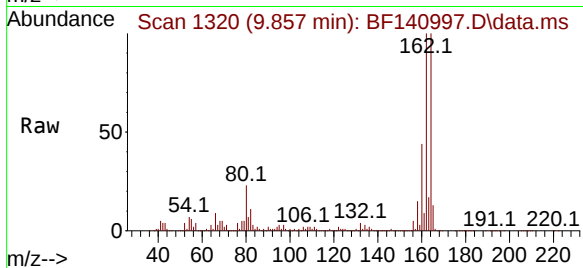
Tgt Ion:164 Resp: 516337

Ion Ratio Lower Upper

164 100

162 99.9 80.6 120.8

160 44.2 35.7 53.5



#42

2,4,6-Tribromophenol

Concen: 171.894 ng

RT: 10.645 min Scan# 1454

Delta R.T. -0.006 min

Lab File: BF140997.D

Acq: 27 Dec 2024 15:26

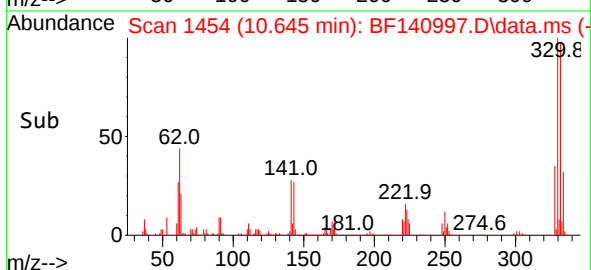
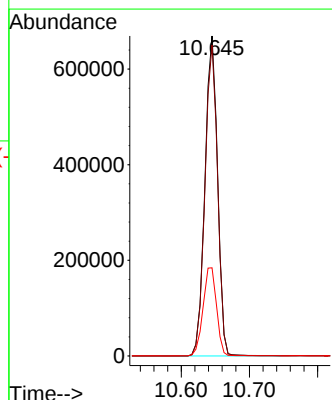
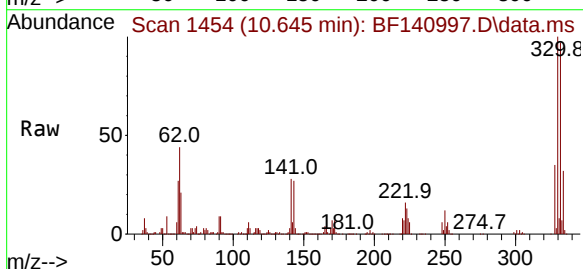
Tgt Ion:330 Resp: 862439

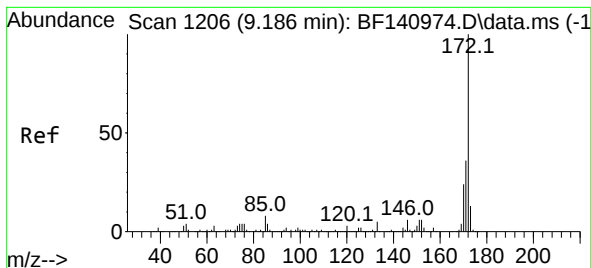
Ion Ratio Lower Upper

330 100

332 97.3 78.0 117.0

141 29.5 26.4 39.6





#45

2-Fluorobiphenyl

Concen: 89.277 ng

RT: 9.180 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140997.D

Acq: 27 Dec 2024 15:26

Instrument :

BNA_F

ClientSampleId :

SB-01

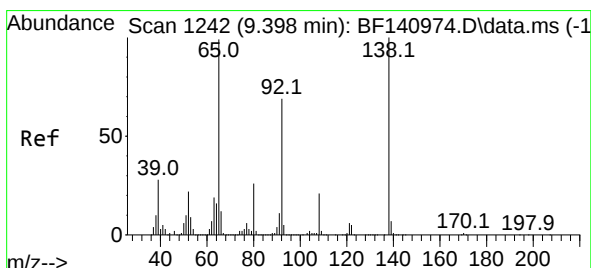
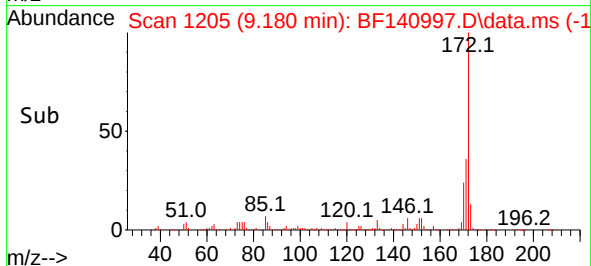
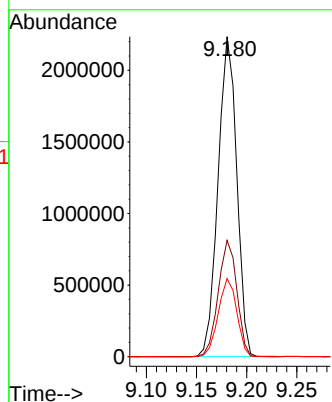
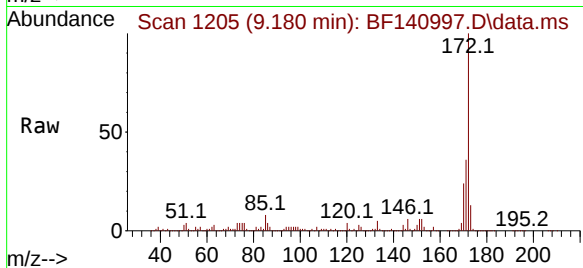
Tgt Ion:172 Resp: 2893279

Ion Ratio Lower Upper

172 100

171 36.3 29.0 43.4

170 24.4 19.6 29.4



#48

2-Nitroaniline

Concen: 4.750 ng

RT: 9.433 min Scan# 1248

Delta R.T. 0.035 min

Lab File: BF140997.D

Acq: 27 Dec 2024 15:26

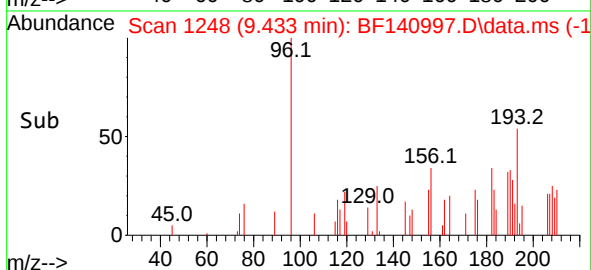
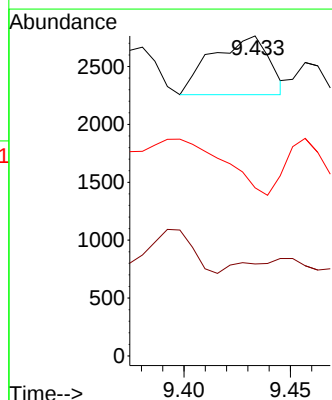
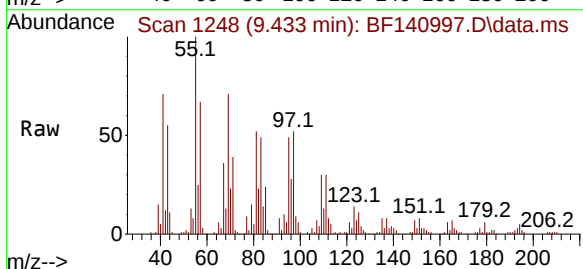
Tgt Ion: 65 Resp: 940

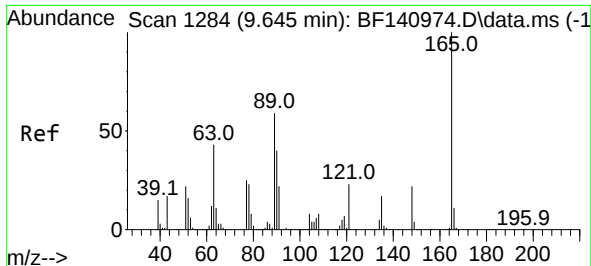
Ion Ratio Lower Upper

65 100

92 28.7 55.6 83.4#

138 52.6 80.5 120.7#

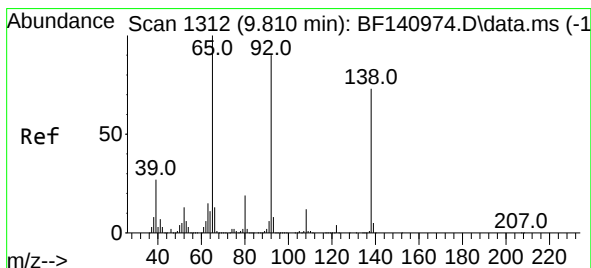
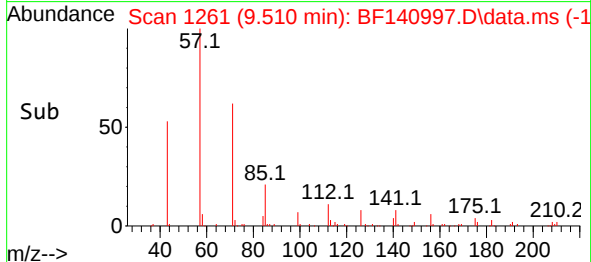
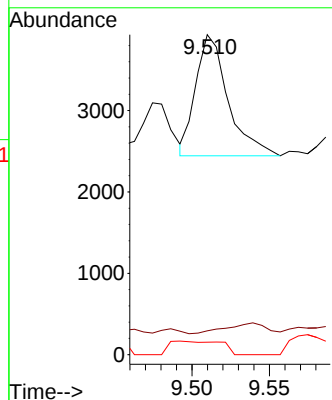
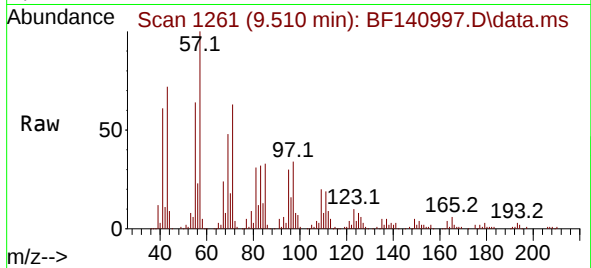




#51
2,6-Dinitrotoluene
Concen: 3.942 ng
RT: 9.510 min Scan# 11
Delta R.T. -0.135 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

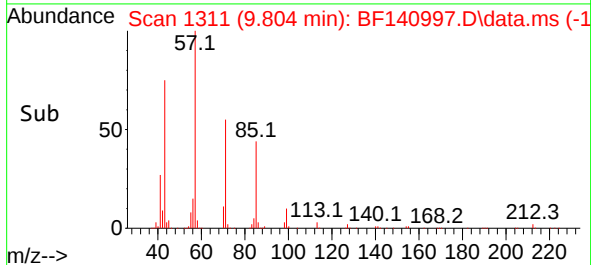
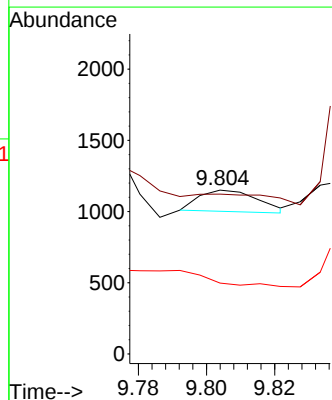
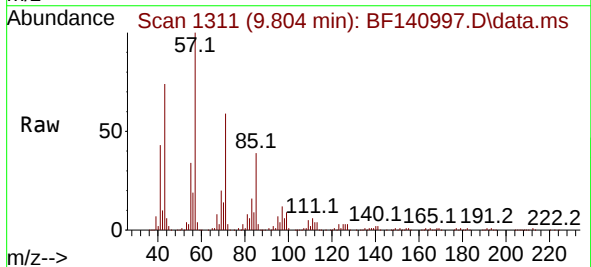
Instrument :
BNA_F
ClientSampleId :
SB-01

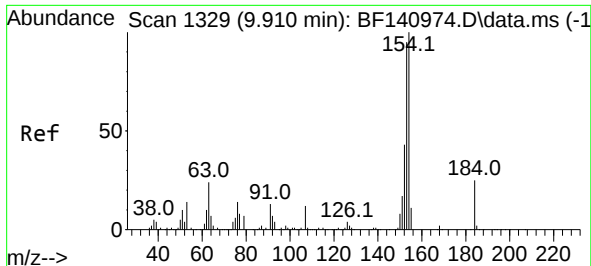
Tgt Ion:165 Resp: 2157
Ion Ratio Lower Upper
165 100
63 7.5 47.1 70.7#
89 3.9 47.0 70.4#



#53
3-Nitroaniline
Concen: 3.287 ng
RT: 9.804 min Scan# 1311
Delta R.T. -0.006 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

Tgt Ion:138 Resp: 178
Ion Ratio Lower Upper
138 100
108 97.6 13.5 20.3#
92 43.3 97.7 146.5#

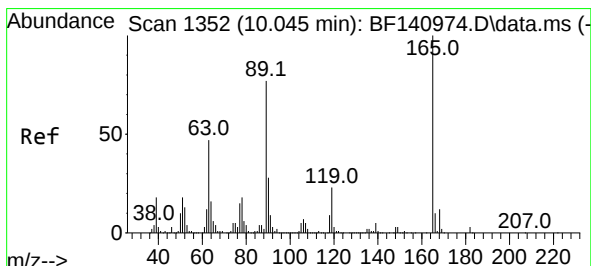
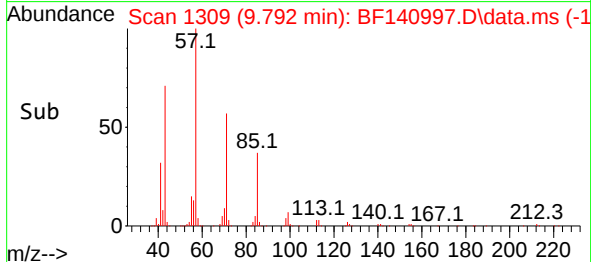
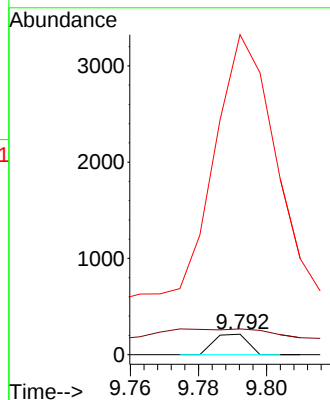
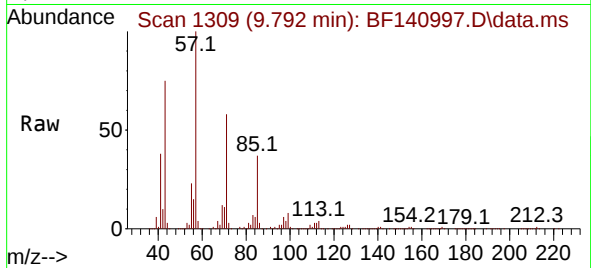




#54
2,4-Dinitrophenol
Concen: 6.267 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.118 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

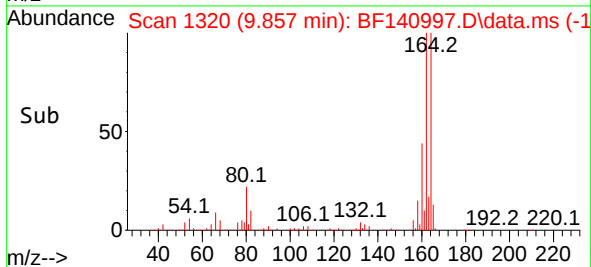
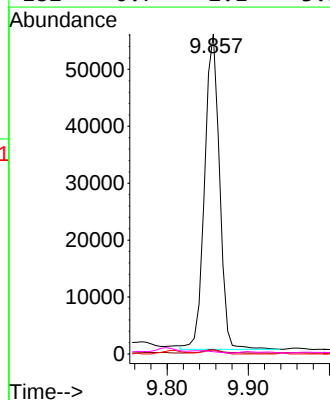
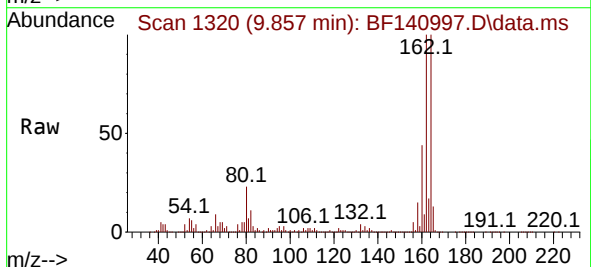
Instrument :
BNA_F
ClientSampleId :
SB-01

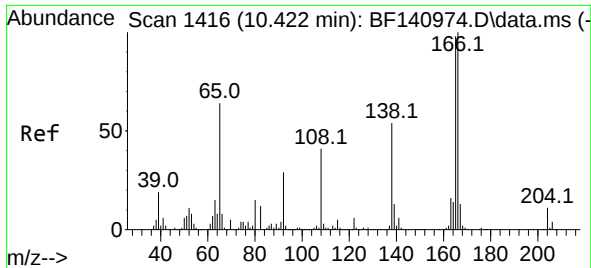
Tgt Ion:184 Resp: 146
Ion Ratio Lower Upper
184 100
63 125.9 81.6 122.4#
154 1567.9 363.5 545.3#



#57
2,4-Dinitrotoluene
Concen: 12.056 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.188 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

Tgt Ion:165 Resp: 70672
Ion Ratio Lower Upper
165 100
63 1.4 38.1 57.1#
89 1.2 61.4 92.2#
182 0.7 2.1 3.1#

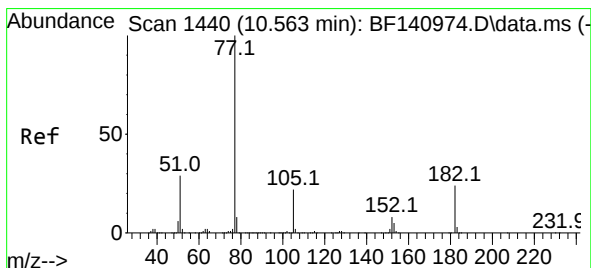
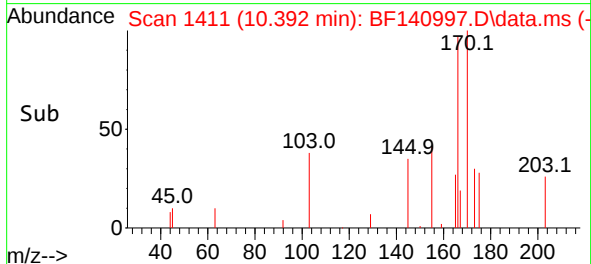
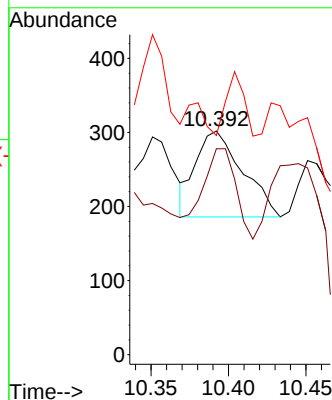
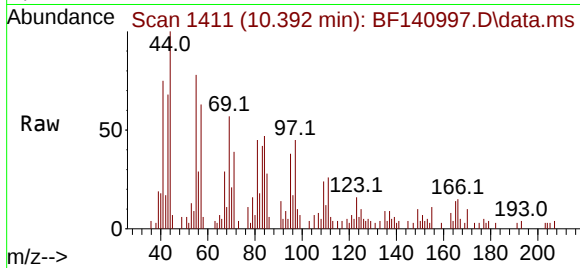




#62
4-Nitroaniline
Concen: 3.376 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.030 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

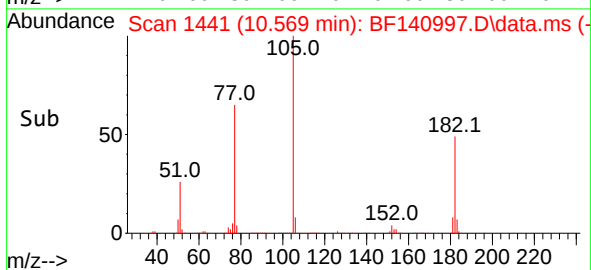
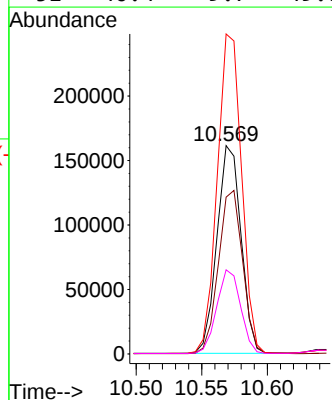
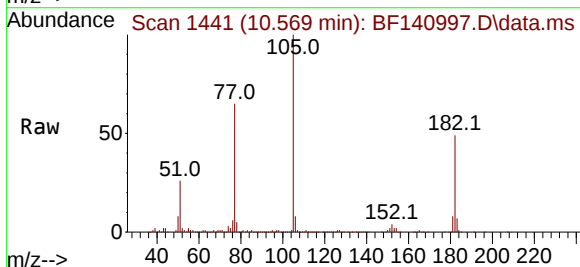
Instrument :
BNA_F
ClientSampleId :
SB-01

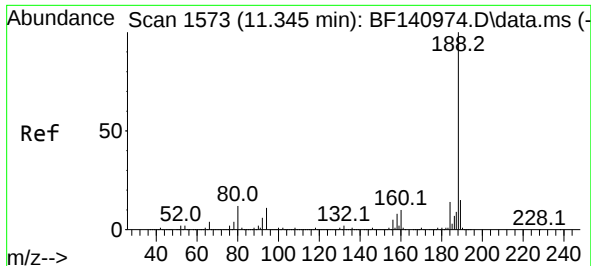
Tgt Ion:138 Resp: 244
Ion Ratio Lower Upper
138 100
92 92.1 34.8 74.8#
108 98.0 55.9 95.9#



#63
Azobenzene
Concen: 5.839 ng
RT: 10.569 min Scan# 1441
Delta R.T. 0.006 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

Tgt Ion: 77 Resp: 205496
Ion Ratio Lower Upper
77 100
182 75.3 4.1 44.1#
105 153.6 1.8 41.8#
51 40.4 9.7 49.7

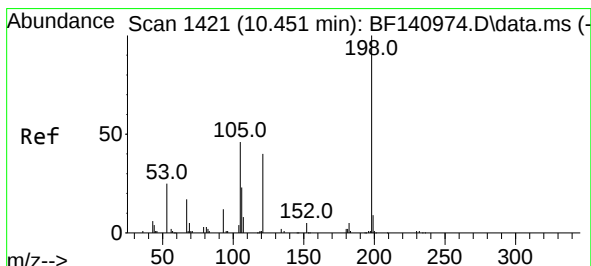
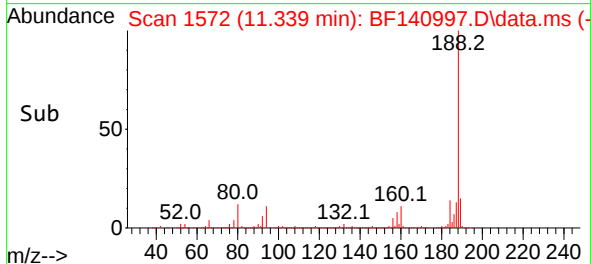
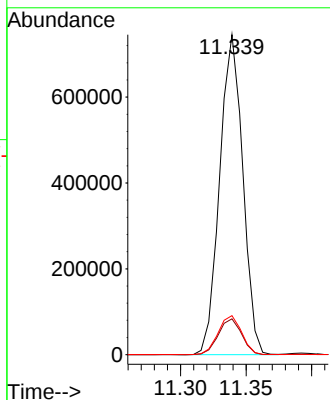
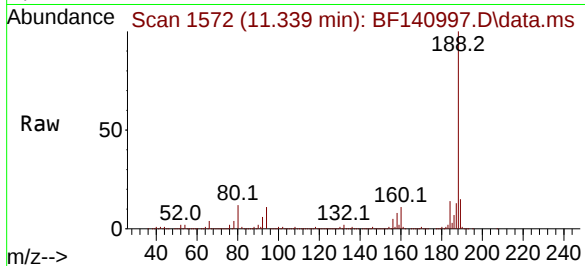




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

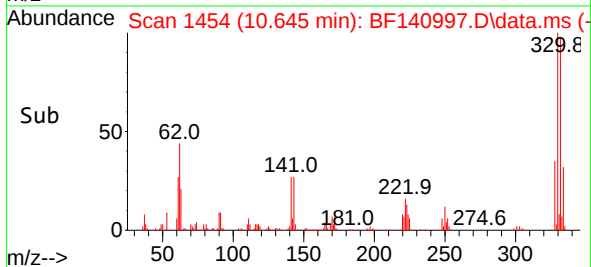
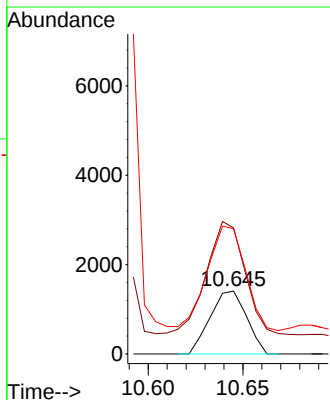
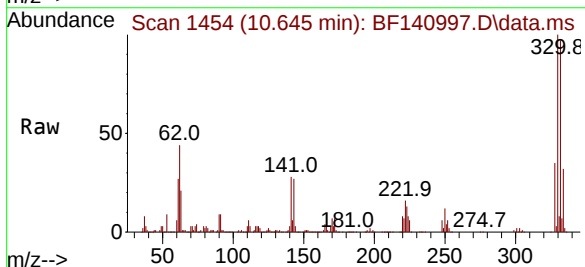
Instrument :
BNA_F
ClientSampleId :
SB-01

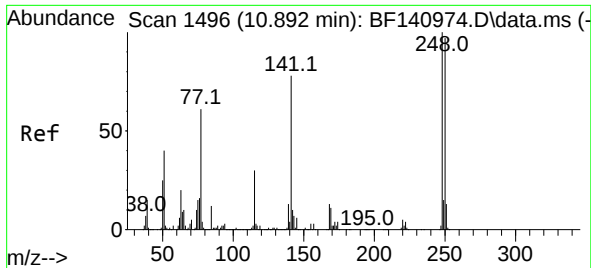
Tgt Ion:188 Resp: 913709
Ion Ratio Lower Upper
188 100
94 11.2 9.0 13.6
80 12.2 9.8 14.6



#65
4,6-Dinitro-2-methylphenol
Concen: 9.759 ng
RT: 10.645 min Scan# 1454
Delta R.T. 0.194 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

Tgt Ion:198 Resp: 1879
Ion Ratio Lower Upper
198 100
51 200.8 32.3 72.3#
105 199.5 28.4 68.4#

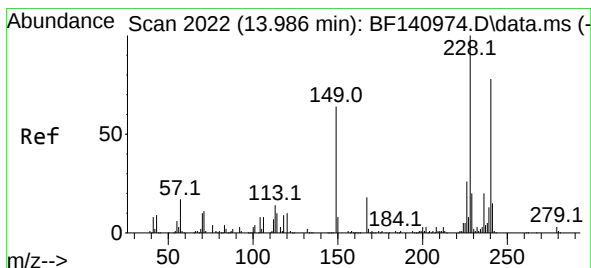
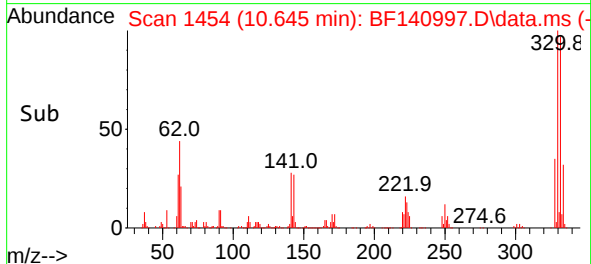
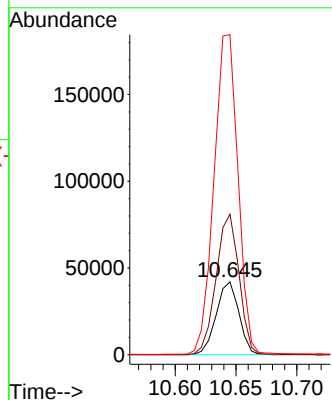
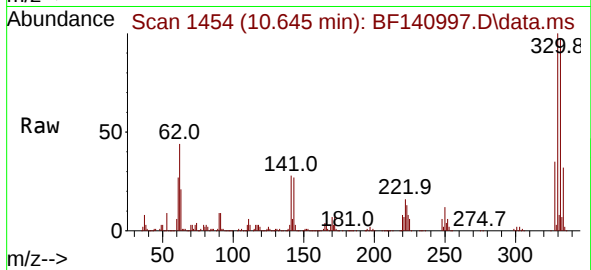




#67
4-Bromophenyl-phenylether
Concen: 5.518 ng
RT: 10.645 min Scan# 1496
Delta R.T. -0.247 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

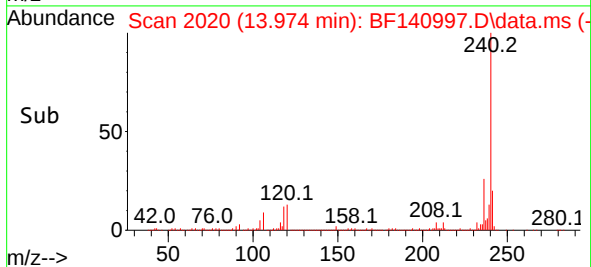
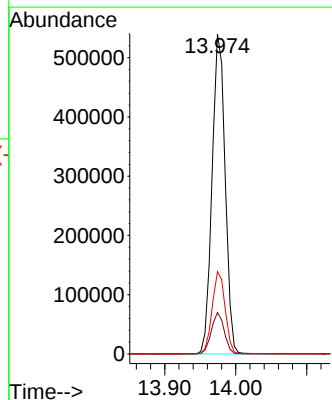
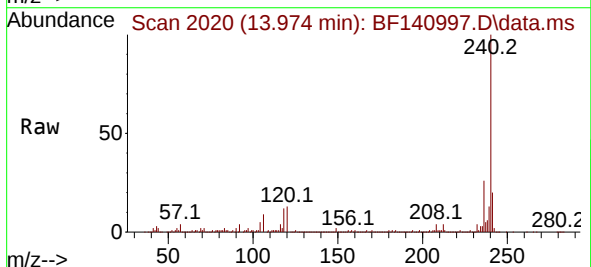
Instrument :
BNA_F
ClientSampleId :
SB-01

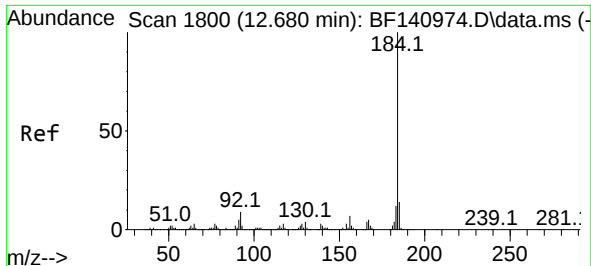
Tgt Ion:248 Resp: 54505
Ion Ratio Lower Upper
248 100
250 192.9 77.7 116.5#
141 439.3 62.1 93.1#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

Tgt Ion:240 Resp: 692228
Ion Ratio Lower Upper
240 100
120 13.0 10.7 16.1
236 25.7 20.6 31.0

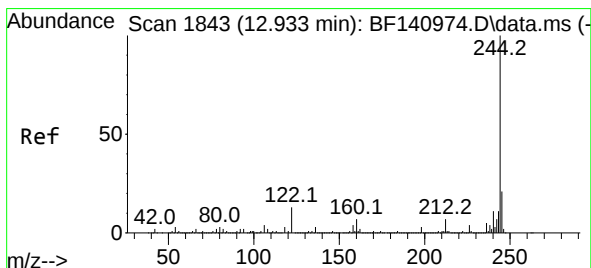
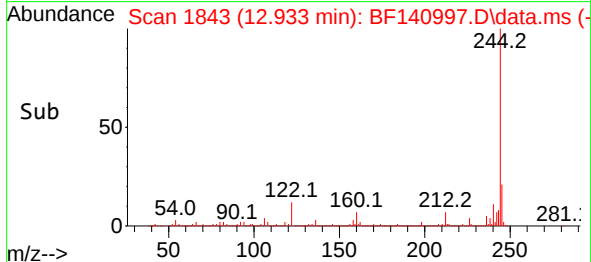
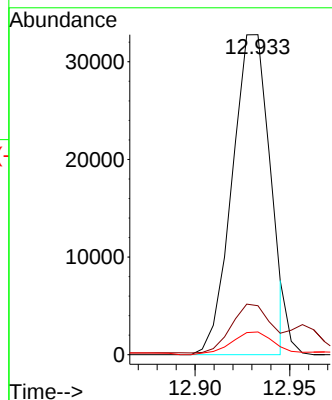
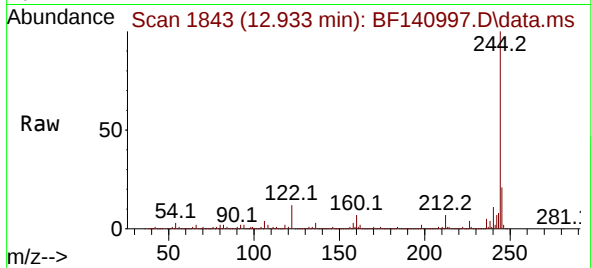




#77
Benzidine
Concen: 3.122 ng
RT: 12.933 min Scan# 1843
Delta R.T. 0.253 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

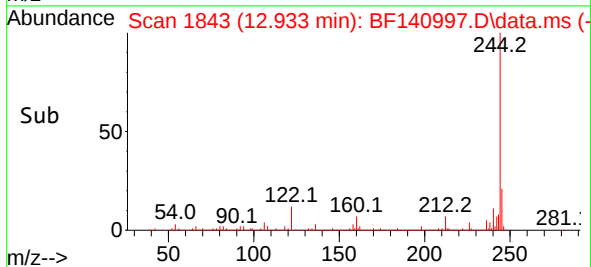
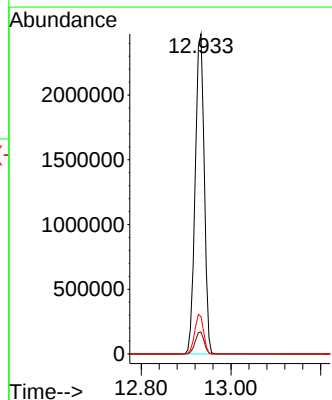
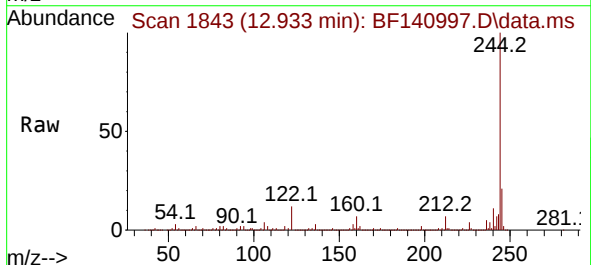
Instrument :
BNA_F
ClientSampleId :
SB-01

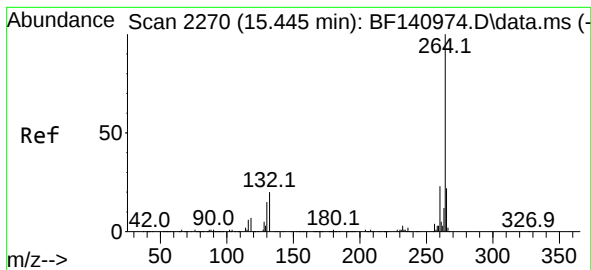
Tgt Ion:184 Resp: 45668
Ion Ratio Lower Upper
184 100
185 15.3 11.4 17.2
183 7.1 9.4 14.0#



#79
Terphenyl-d14
Concen: 82.803 ng
RT: 12.933 min Scan# 1843
Delta R.T. -0.000 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

Tgt Ion:244 Resp: 3450870
Ion Ratio Lower Upper
244 100
212 6.8 5.7 8.5
122 11.7 10.2 15.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.433 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF140997.D
 Acq: 27 Dec 2024 15:26

Instrument :
 BNA_F
 ClientSampleId :
 SB-01

Tgt Ion:264 Resp: 585265
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.7 28.1
 265 21.4 17.4 26.2

