

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
 Data File : BF141036.D
 Acq On : 30 Dec 2024 17:39
 Operator : RC/JU
 Sample : P5386-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MOO-24-00398

Quant Time: Dec 31 00:14:36 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

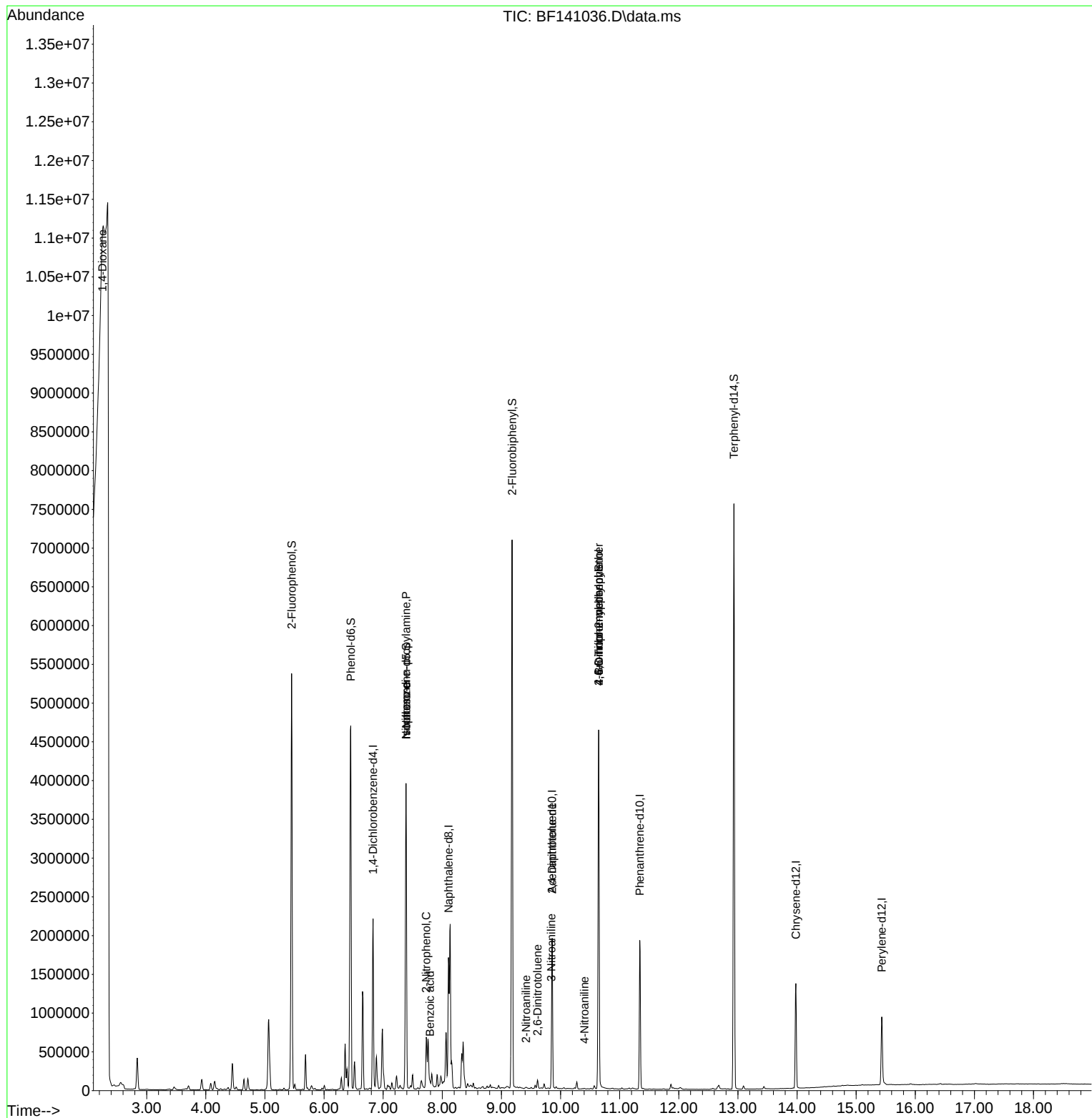
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	256286	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	1238070	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	564716	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	957586	20.000	ng	0.00
76) Chrysene-d12	13.980	240	646175	20.000	ng	0.00
86) Perylene-d12	15.433	264	526285	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	2117214	124.527	ng	0.02
7) Phenol-d6	6.451	99	2494691	113.901	ng	0.00
23) Nitrobenzene-d5	7.387	82	1837480	94.953	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	878700	160.131	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	3184967	89.858	ng	0.00
79) Terphenyl-d14	12.933	244	3735554	96.023	ng	0.00
Target Compounds						
2) 1,4-Dioxane	2.252	88	32320	4.199	ng	# 55
9) Benzaldehyde	6.357	77	57389	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.387	70	250844	18.694	ng	# 79
25) Isophorone	7.387	82	1826206	43.368	ng	# 65
26) 2-Nitrophenol	7.728	139	3761	5.679	ng	# 72
32) Benzoic acid	7.793	122	23538	9.253	ng	97
48) 2-Nitroaniline	9.416	65	383	4.683	ng	# 30
51) 2,6-Dinitrotoluene	9.610	165	12940	5.233	ng	# 30
53) 3-Nitroaniline	9.845	138	111	3.277	ng	# 1
57) 2,4-Dinitrotoluene	9.857	165	73877	11.722	ng	# 21
62) 4-Nitroaniline	10.404	138	215	3.370	ng	# 59
65) 4,6-Dinitro-2-methylph...	10.645	198	1858	9.735	ng	# 1
67) 4-Bromophenyl-phenylether	10.645	248	54482	5.263	ng	# 1

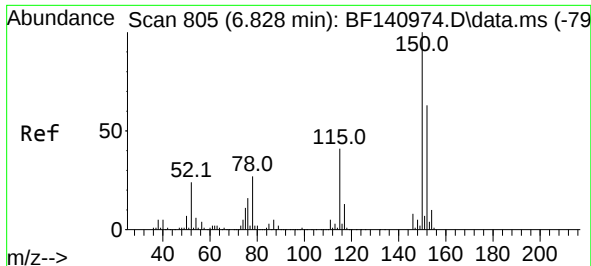
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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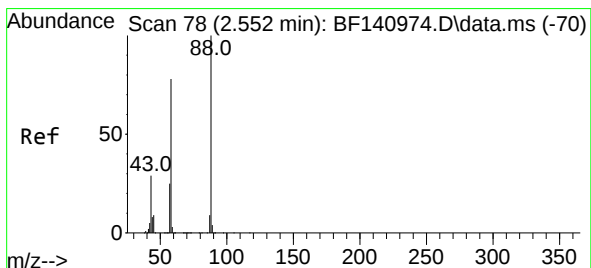
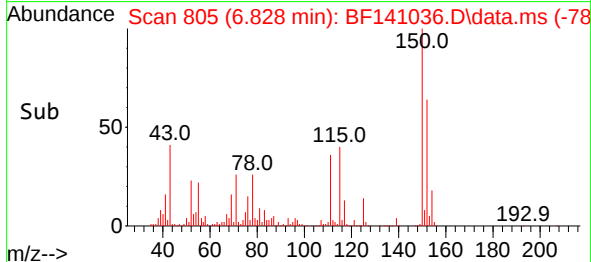
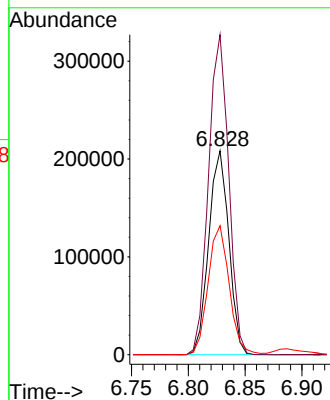
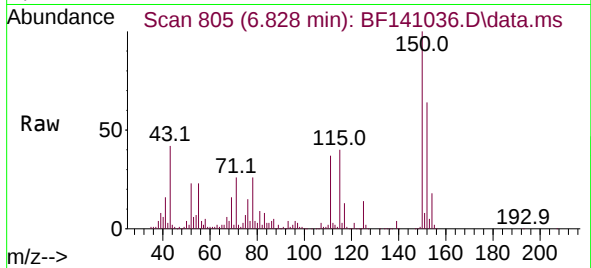




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.828 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: BF141036.D
 Acq: 30 Dec 2024 17:39

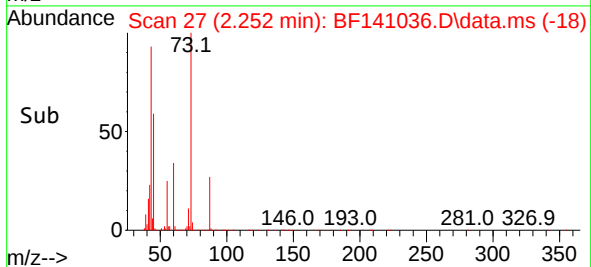
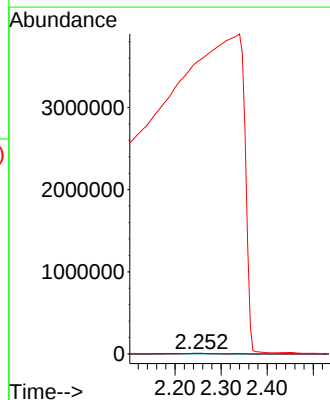
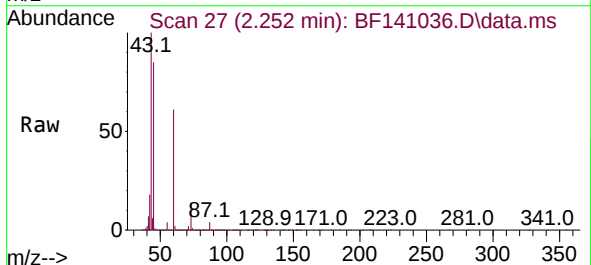
Instrument :
 BNA_F
 ClientSampleId :
 MOO-24-00398

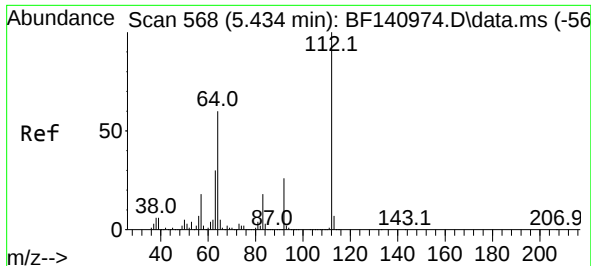
Tgt Ion:152 Resp: 256286
 Ion Ratio Lower Upper
 152 100
 150 156.9 127.0 190.6
 115 63.2 51.7 77.5



#2
 1,4-Dioxane
 Concen: 4.199 ng
 RT: 2.252 min Scan# 27
 Delta R.T. -0.300 min
 Lab File: BF141036.D
 Acq: 30 Dec 2024 17:39

Tgt Ion: 88 Resp: 32320
 Ion Ratio Lower Upper
 88 100
 58 42.1 63.0 94.4#
 43 0.0 23.4 35.2#

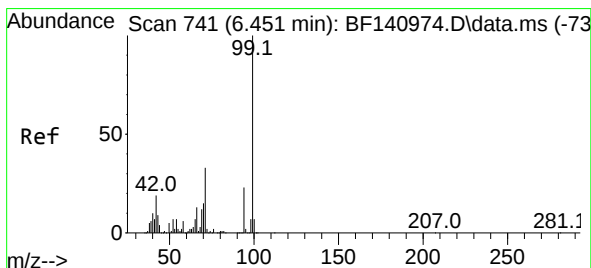
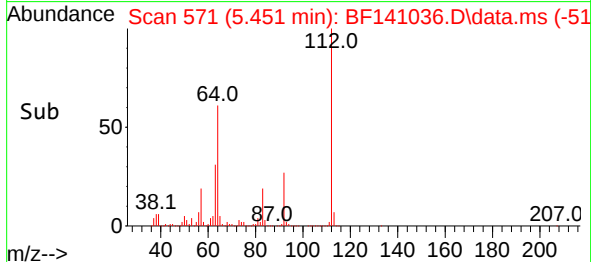
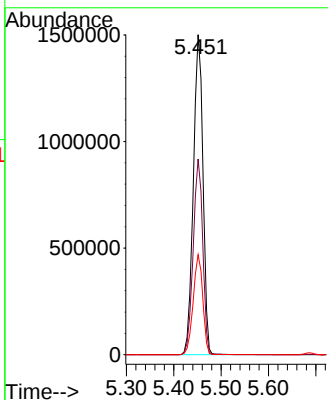
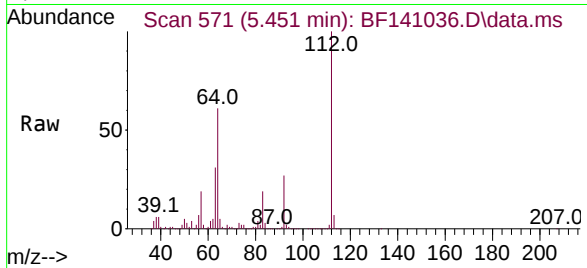




#5
2-Fluorophenol
Concen: 124.527 ng
RT: 5.451 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF141036.D
Acq: 30 Dec 2024 17:39

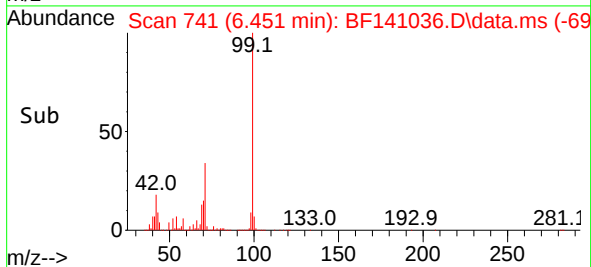
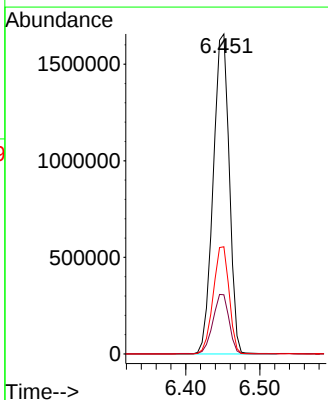
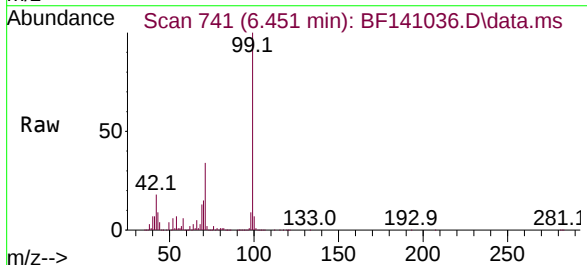
Instrument :
BNA_F
ClientSampleId :
MOO-24-00398

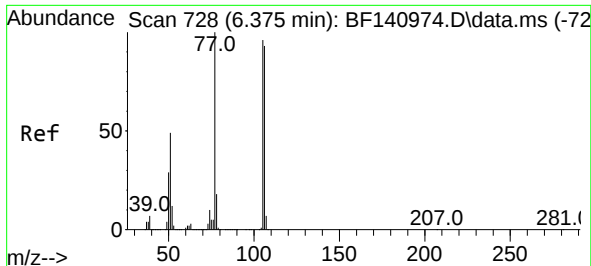
Tgt Ion:112 Resp: 2117214
Ion Ratio Lower Upper
112 100
64 61.1 47.7 71.5
63 31.2 24.2 36.2



#7
Phenol-d6
Concen: 113.901 ng
RT: 6.451 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF141036.D
Acq: 30 Dec 2024 17:39

Tgt Ion: 99 Resp: 2494691
Ion Ratio Lower Upper
99 100
42 18.5 15.0 22.4
71 33.5 26.2 39.2

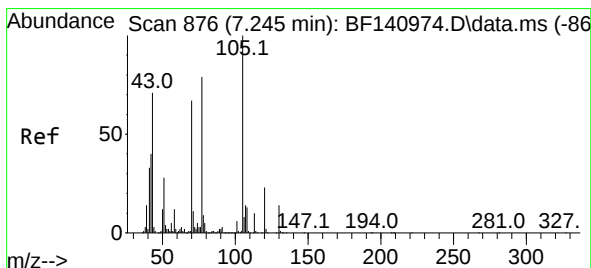
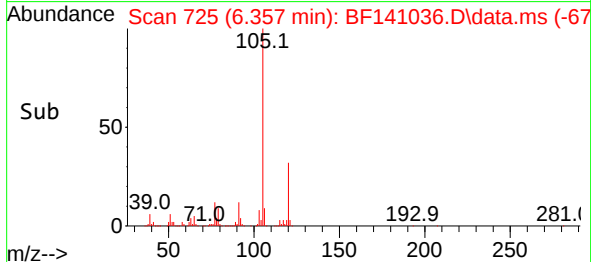
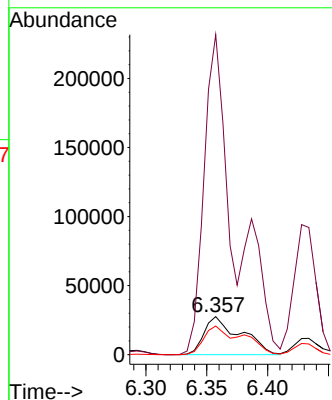
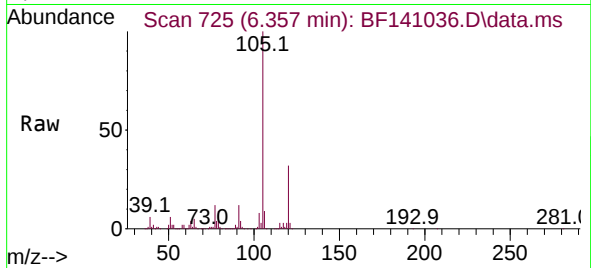




#9
Benzaldehyde
Concen: Below Cal
RT: 6.357 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141036.D
Acq: 30 Dec 2024 17:39

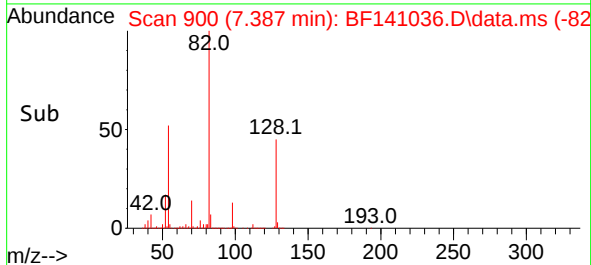
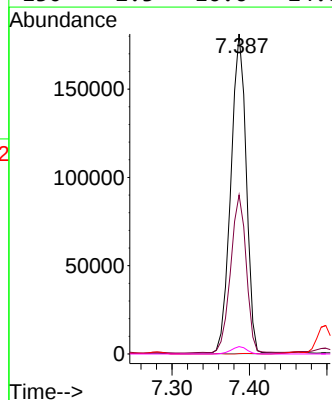
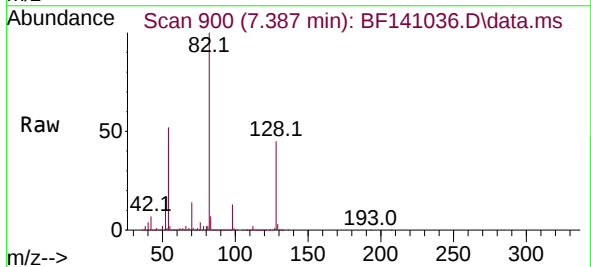
Instrument :
BNA_F
ClientSampleId :
MOO-24-00398

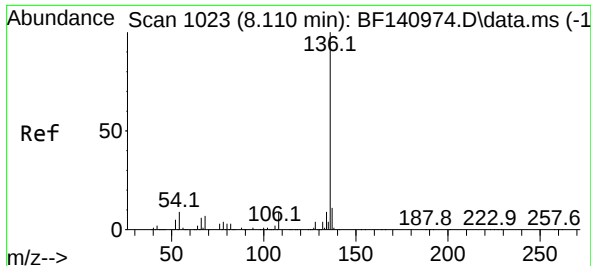
Tgt Ion: 77 Resp: 57389
Ion Ratio Lower Upper
77 100
105 838.7 76.2 116.2#
106 75.0 73.4 113.4



#19
n-Nitroso-di-n-propylamine
Concen: 18.694 ng
RT: 7.387 min Scan# 900
Delta R.T. 0.141 min
Lab File: BF141036.D
Acq: 30 Dec 2024 17:39

Tgt Ion: 70 Resp: 250844
Ion Ratio Lower Upper
70 100
42 49.7 48.1 72.1
101 0.1 7.6 11.4#
130 2.3 16.6 24.8#



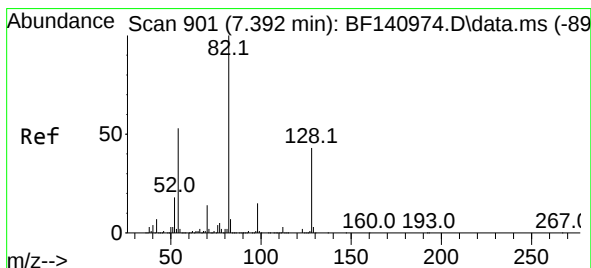
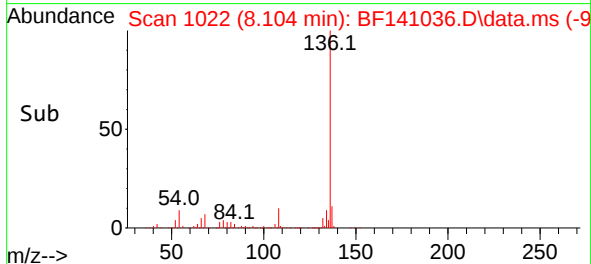
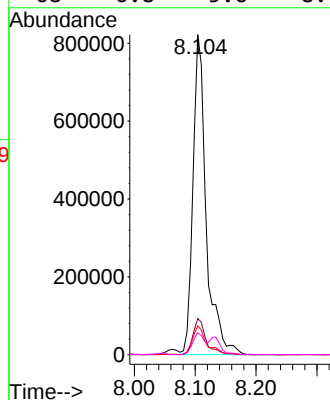
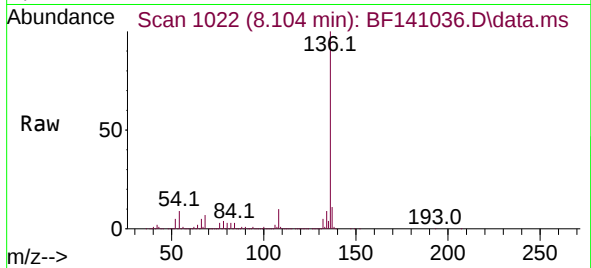


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141036.D
Acq: 30 Dec 2024 17:39

Instrument :
BNA_F
ClientSampleId :
MOO-24-00398

Tgt Ion:136 Resp: 1238070

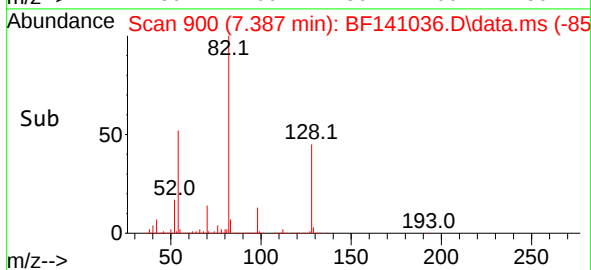
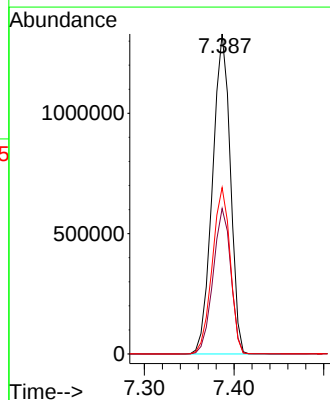
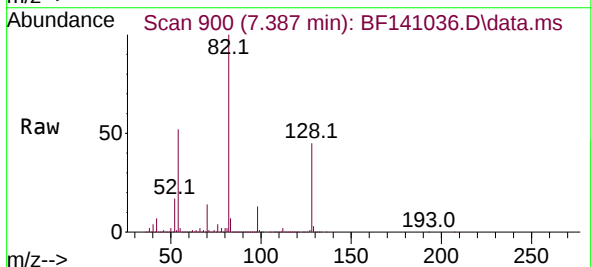
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	9.0	7.6	11.4
68	6.8	5.6	8.4

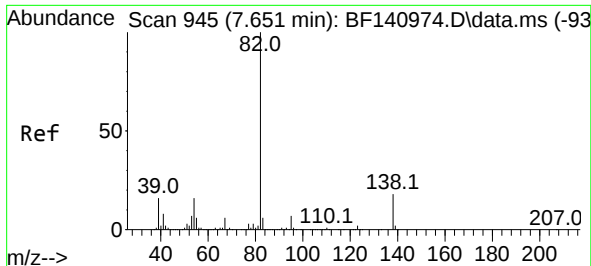


#23
Nitrobenzene-d5
Concen: 94.953 ng
RT: 7.387 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF141036.D
Acq: 30 Dec 2024 17:39

Tgt Ion: 82 Resp: 1837480

Ion	Ratio	Lower	Upper
82	100		
128	45.5	34.4	51.6
54	52.0	42.4	63.6

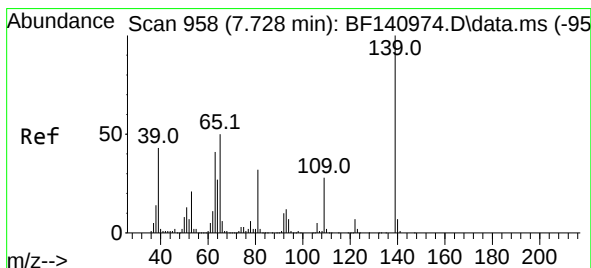
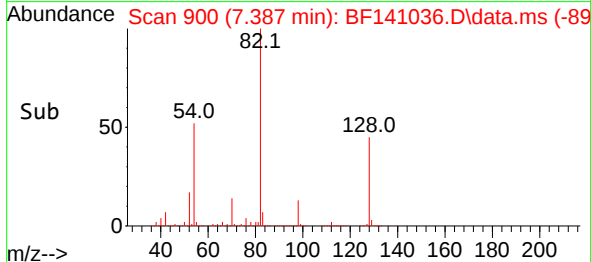
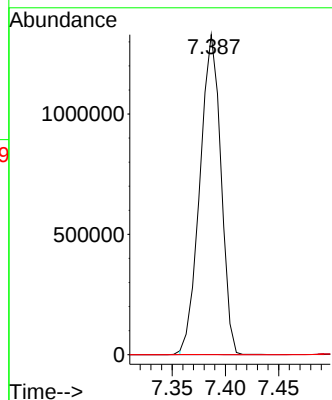
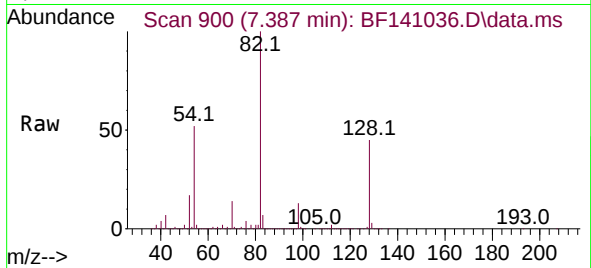




#25
Isophorone
Concen: 43.368 ng
RT: 7.387 min Scan# 900
Delta R.T. -0.265 min
Lab File: BF141036.D
Acq: 30 Dec 2024 17:39

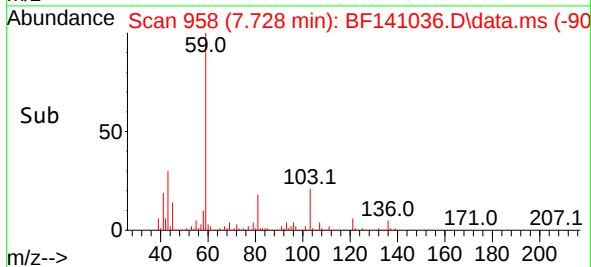
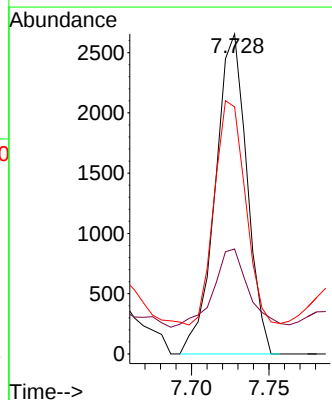
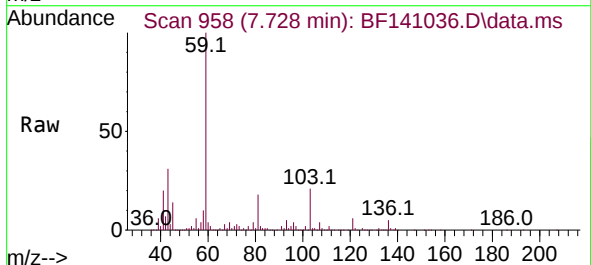
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ClientSampleId :
MOO-24-00398

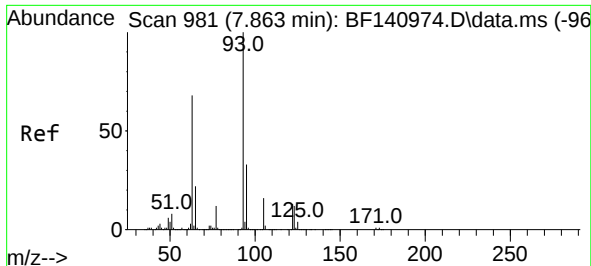
Tgt Ion: 82 Resp: 1826206
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.6 21.8#



#26
2-Nitrophenol
Concen: 5.679 ng
RT: 7.728 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF141036.D
Acq: 30 Dec 2024 17:39

Tgt Ion:139 Resp: 3761
Ion Ratio Lower Upper
139 100
109 32.8 22.2 33.4
65 77.2 40.2 60.4#

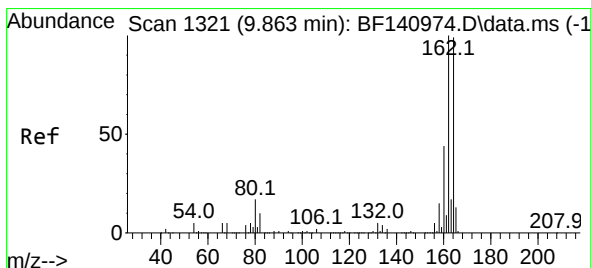
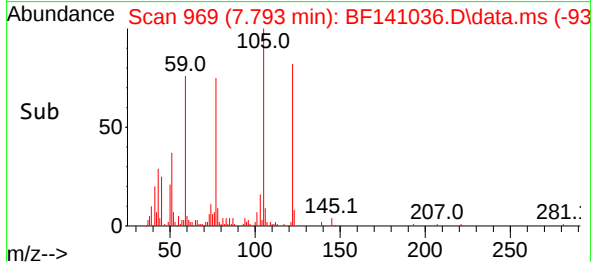
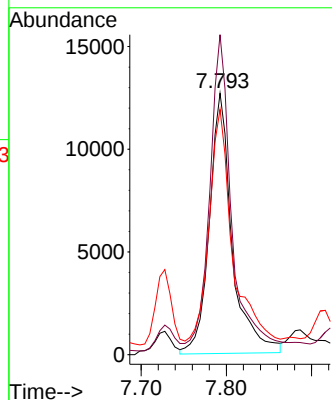
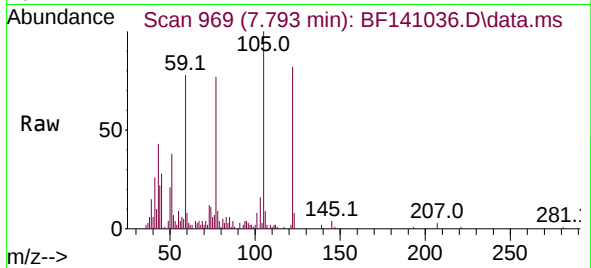




#32
Benzoic acid
Concen: 9.253 ng
RT: 7.793 min Scan# 90
Delta R.T. -0.071 min
Lab File: BF141036.D
Acq: 30 Dec 2024 17:39

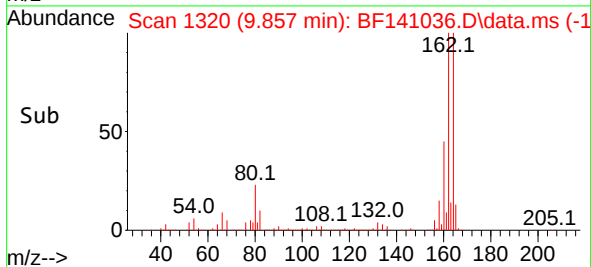
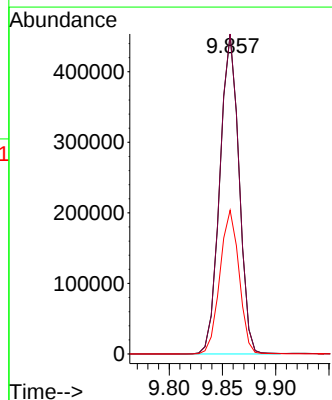
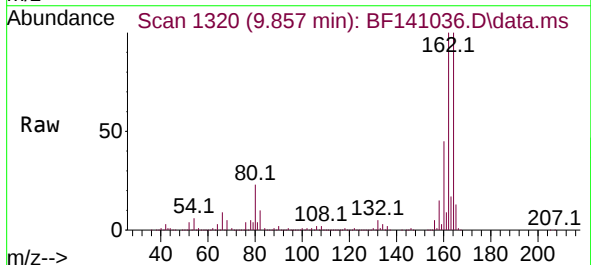
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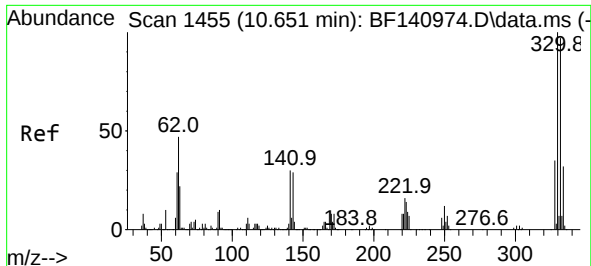
Tgt Ion:122 Resp: 23538
Ion Ratio Lower Upper
122 100
105 122.4 105.4 145.4
77 93.8 76.4 116.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF141036.D
Acq: 30 Dec 2024 17:39

Tgt Ion:164 Resp: 564716
Ion Ratio Lower Upper
164 100
162 100.1 80.6 120.8
160 44.9 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 160.131 ng

RT: 10.645 min Scan# 1455

Delta R.T. -0.006 min

Lab File: BF141036.D

Acq: 30 Dec 2024 17:39

Instrument :

BNA_F

ClientSampleId :

MOO-24-00398

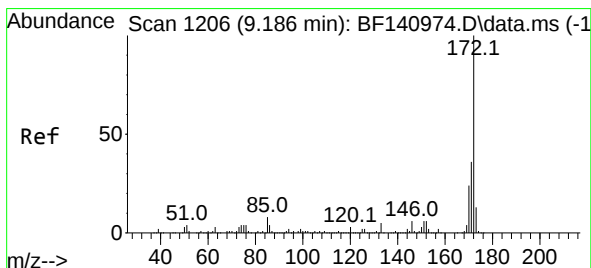
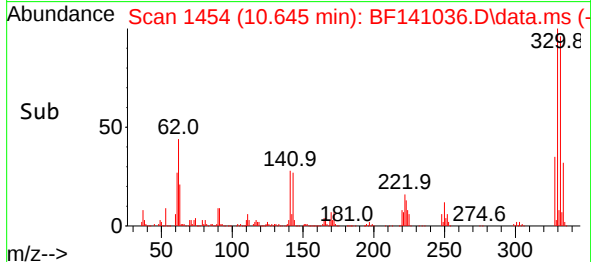
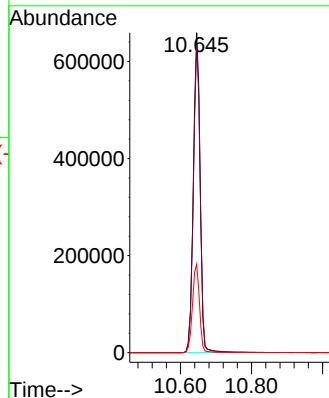
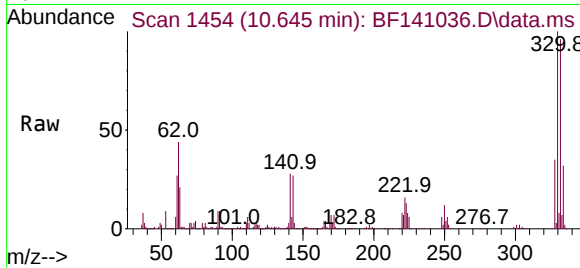
Tgt Ion:330 Resp: 878700

Ion Ratio Lower Upper

330 100

332 96.0 78.0 117.0

141 28.7 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 89.858 ng

RT: 9.181 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF141036.D

Acq: 30 Dec 2024 17:39

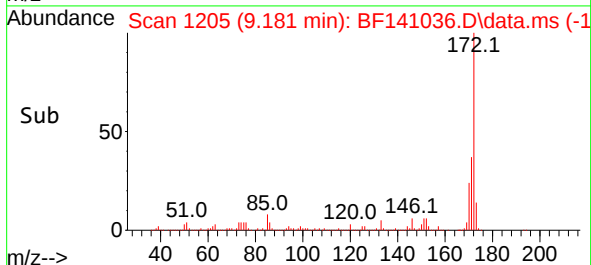
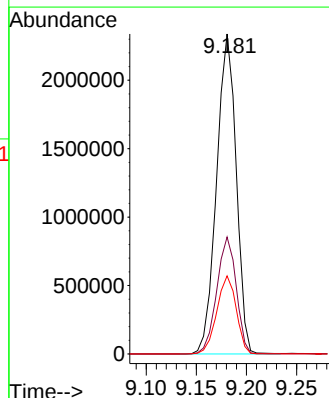
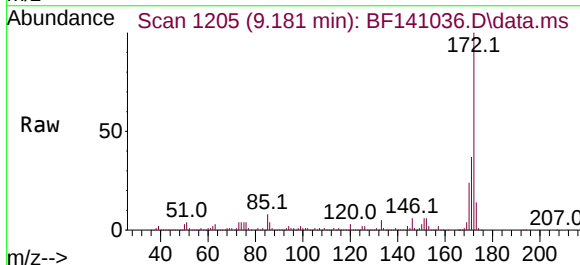
Tgt Ion:172 Resp: 3184967

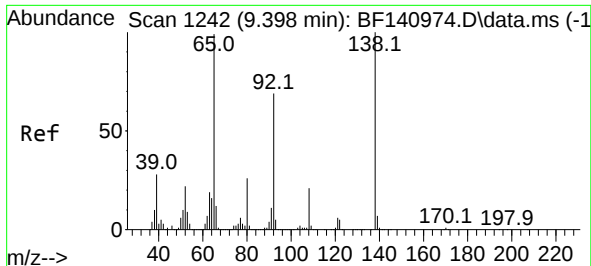
Ion Ratio Lower Upper

172 100

171 36.5 29.0 43.4

170 24.4 19.6 29.4





#48

2-Nitroaniline

Concen: 4.683 ng

RT: 9.416 min Scan# 11

Delta R.T. 0.018 min

Lab File: BF141036.D

Acq: 30 Dec 2024 17:39

Instrument :

BNA_F

ClientSampleId :

MOO-24-00398

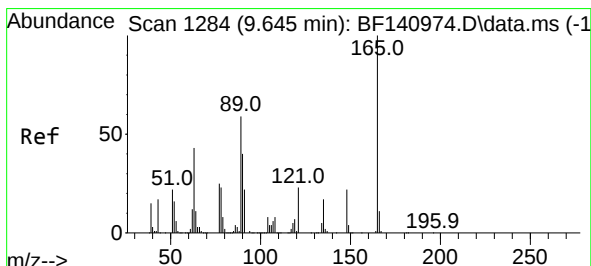
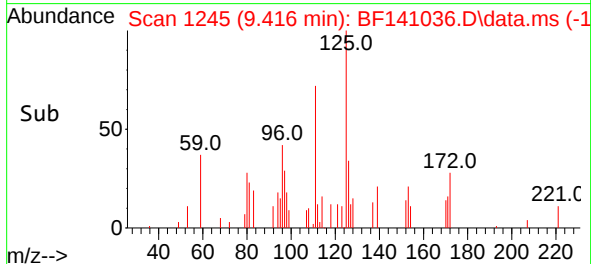
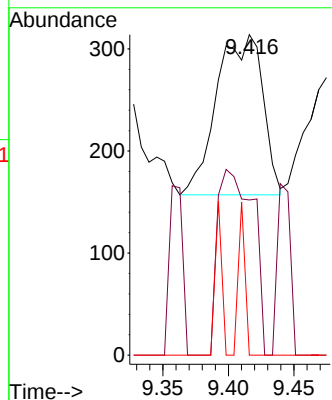
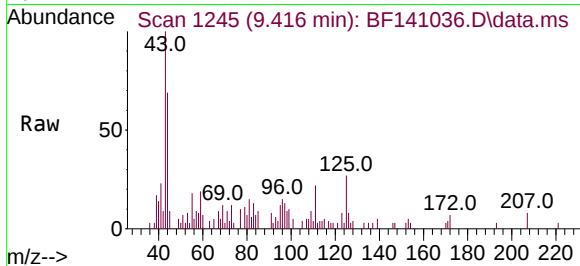
Tgt Ion: 65 Resp: 383

Ion Ratio Lower Upper

65 100

92 48.4 55.6 83.4#

138 0.0 80.5 120.7#



#51

2,6-Dinitrotoluene

Concen: 5.233 ng

RT: 9.610 min Scan# 1278

Delta R.T. -0.035 min

Lab File: BF141036.D

Acq: 30 Dec 2024 17:39

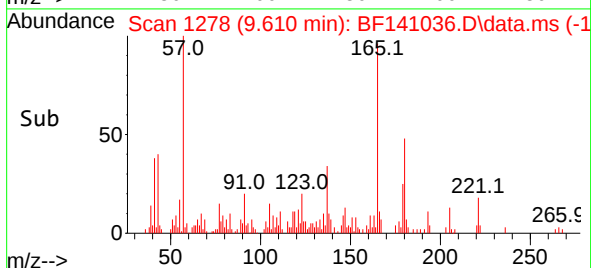
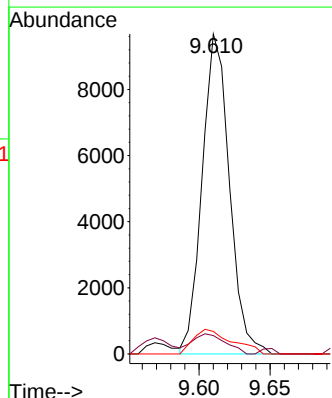
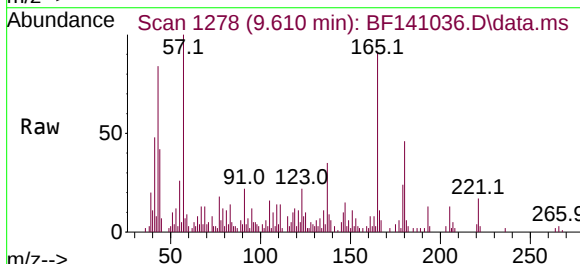
Tgt Ion: 165 Resp: 12940

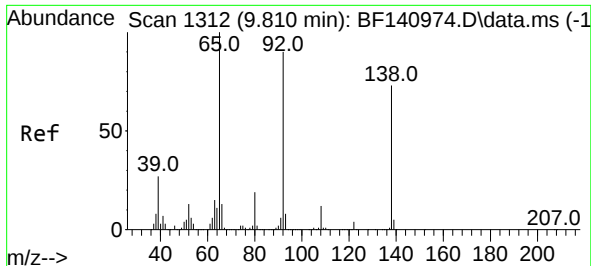
Ion Ratio Lower Upper

165 100

63 5.8 47.1 70.7#

89 7.1 47.0 70.4#

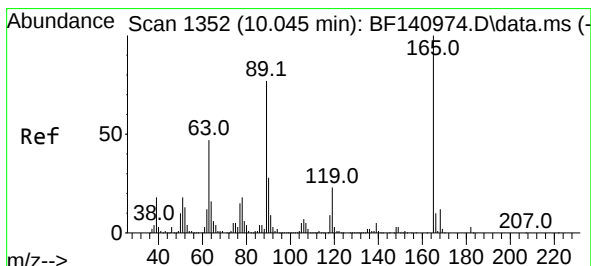
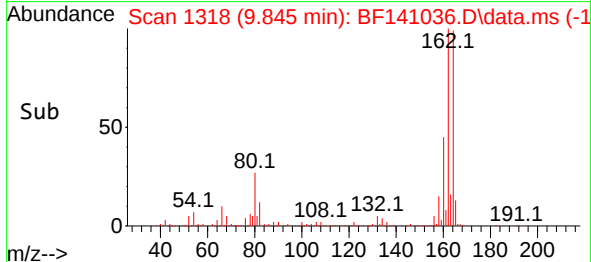
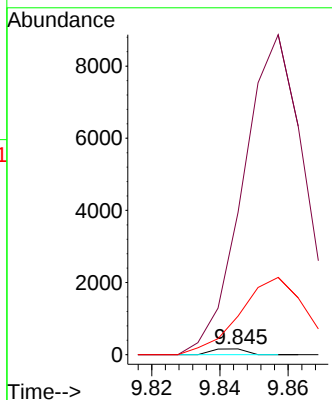
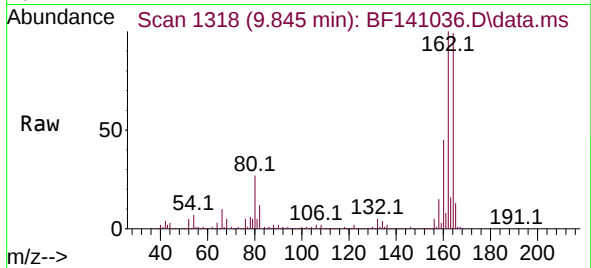




#53
3-Nitroaniline
Concen: 3.277 ng
RT: 9.845 min Scan# 111
Delta R.T. 0.035 min
Lab File: BF141036.D
Acq: 30 Dec 2024 17:39

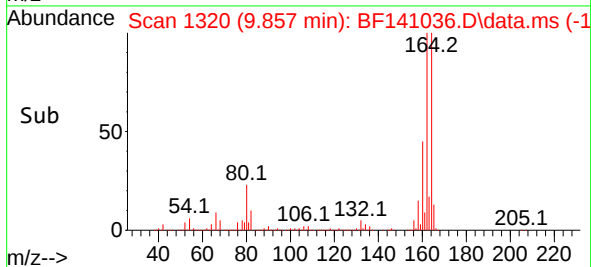
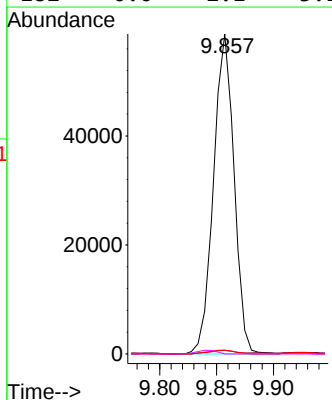
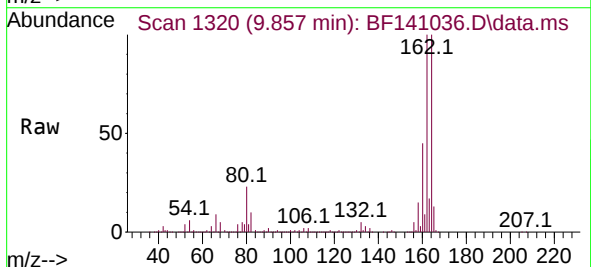
Instrument :
BNA_F
ClientSampleId :
MOO-24-00398

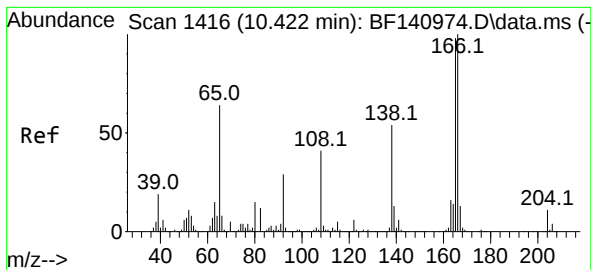
Tgt Ion:138 Resp: 111
Ion Ratio Lower Upper
138 100
108 2479.2 13.5 20.3#
92 671.7 97.7 146.5#



#57
2,4-Dinitrotoluene
Concen: 11.722 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.188 min
Lab File: BF141036.D
Acq: 30 Dec 2024 17:39

Tgt Ion:165 Resp: 73877
Ion Ratio Lower Upper
165 100
63 1.1 38.1 57.1#
89 1.2 61.4 92.2#
182 0.0 2.1 3.1#

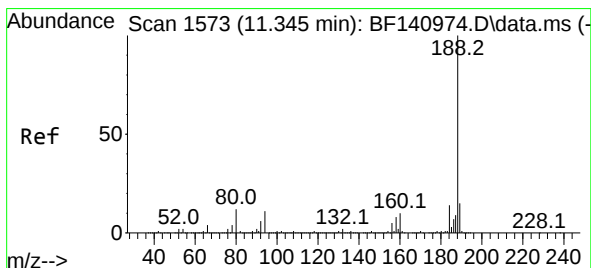
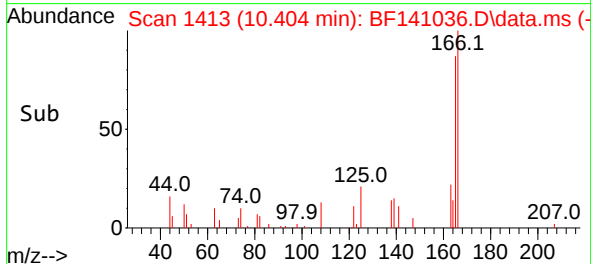
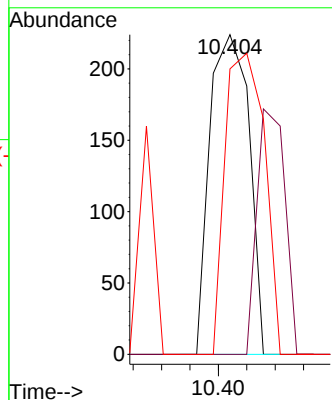
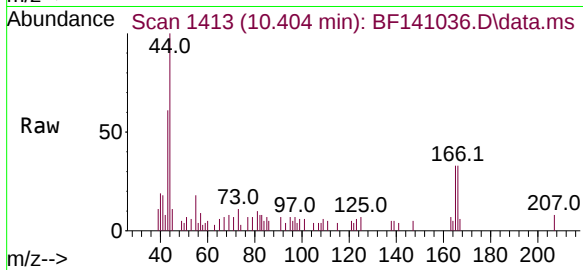




#62
4-Nitroaniline
Concen: 3.370 ng
RT: 10.404 min Scan# 1416
Delta R.T. -0.018 min
Lab File: BF141036.D
Acq: 30 Dec 2024 17:39

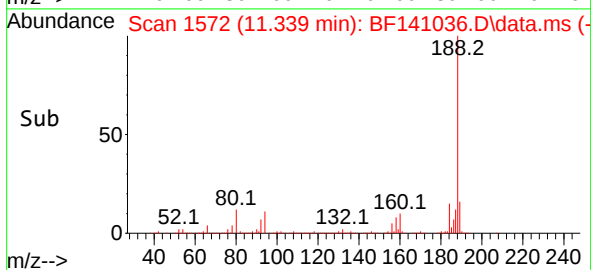
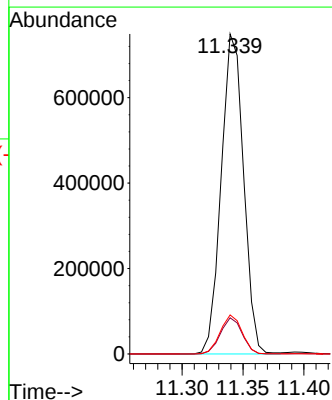
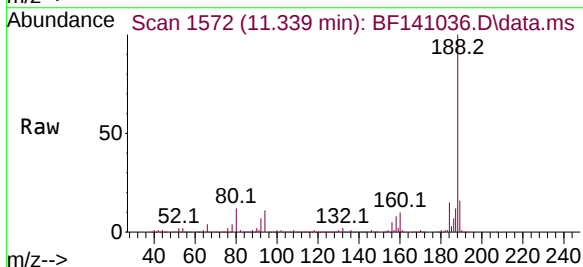
Instrument :
BNA_F
ClientSampleId :
MOO-24-00398

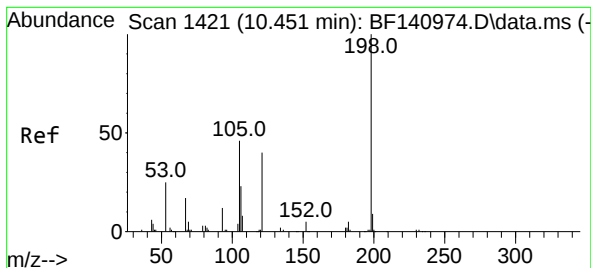
Tgt Ion:138 Resp: 215
Ion Ratio Lower Upper
138 100
92 0.0 34.8 74.8#
108 89.3 55.9 95.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141036.D
Acq: 30 Dec 2024 17:39

Tgt Ion:188 Resp: 957586
Ion Ratio Lower Upper
188 100
94 11.3 9.0 13.6
80 12.2 9.8 14.6

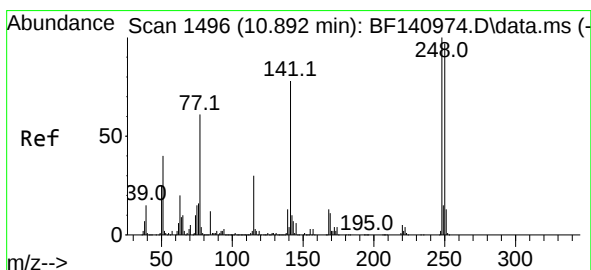
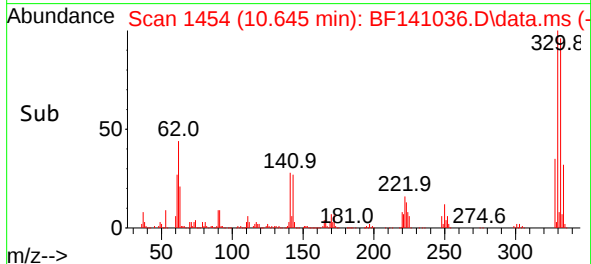
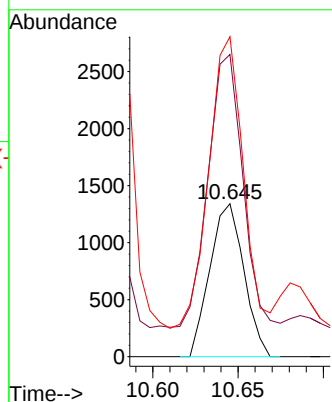
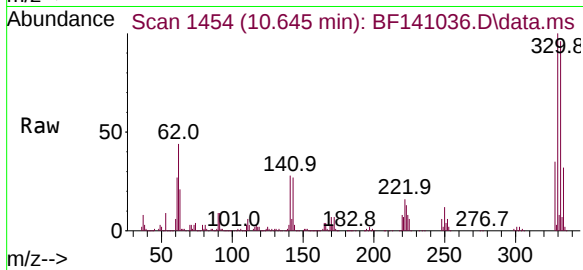




#65
4,6-Dinitro-2-methylphenol
Concen: 9.735 ng
RT: 10.645 min Scan# 1421
Delta R.T. 0.194 min
Lab File: BF141036.D
Acq: 30 Dec 2024 17:39

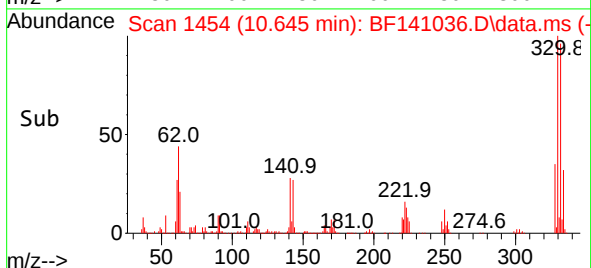
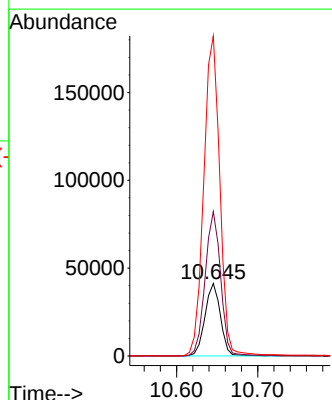
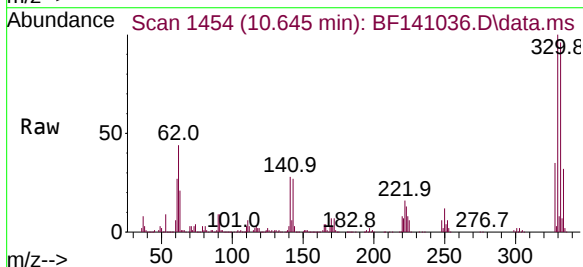
Instrument :
BNA_F
ClientSampleId :
MOO-24-00398

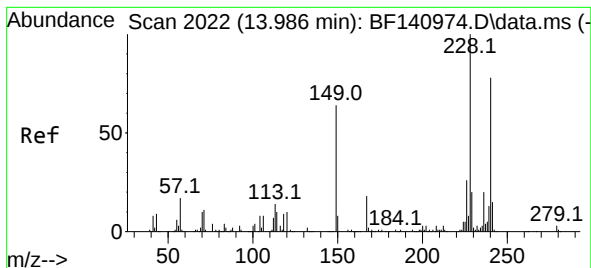
Tgt Ion:198 Resp: 1858
Ion Ratio Lower Upper
198 100
51 197.5 32.3 72.3#
105 209.1 28.4 68.4#



#67
4-Bromophenyl-phenylether
Concen: 5.263 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.247 min
Lab File: BF141036.D
Acq: 30 Dec 2024 17:39

Tgt Ion:248 Resp: 54482
Ion Ratio Lower Upper
248 100
250 198.9 77.7 116.5#
141 441.1 62.1 93.1#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 2022

Delta R.T. -0.006 min

Lab File: BF141036.D

Acq: 30 Dec 2024 17:39

Instrument :

BNA_F

ClientSampleId :

MOO-24-00398

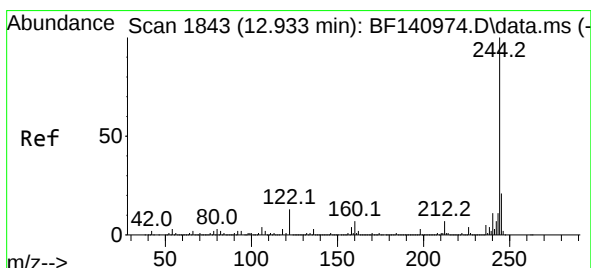
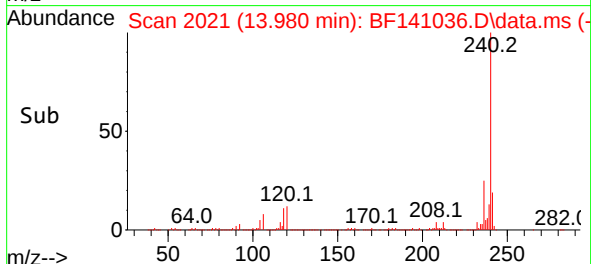
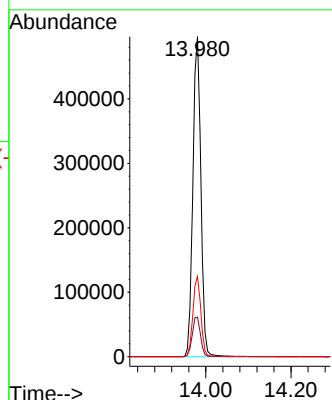
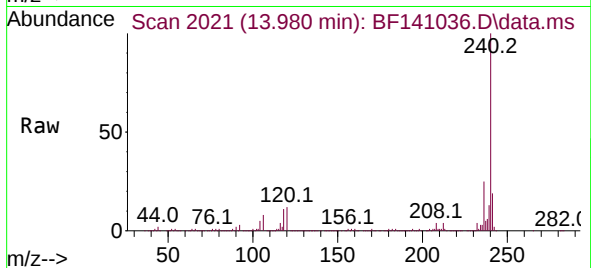
Tgt Ion:240 Resp: 646175

Ion Ratio Lower Upper

240 100

120 12.4 10.7 16.1

236 25.1 20.6 31.0



#79

Terphenyl-d14

Concen: 96.023 ng

RT: 12.933 min Scan# 1843

Delta R.T. 0.000 min

Lab File: BF141036.D

Acq: 30 Dec 2024 17:39

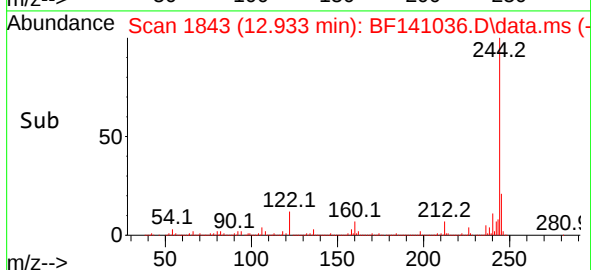
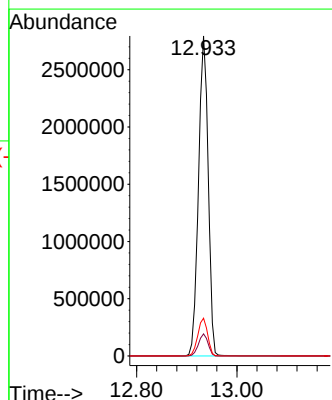
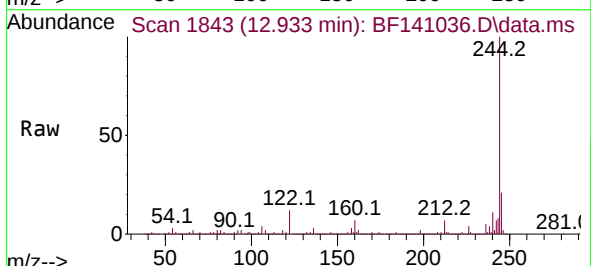
Tgt Ion:244 Resp: 3735554

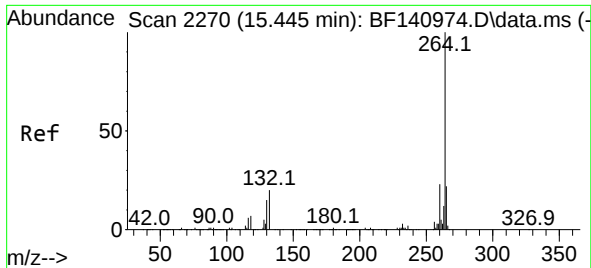
Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

122 11.8 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: BF141036.D
 Acq: 30 Dec 2024 17:39

Instrument :
 BNA_F
 ClientSampleId :
 MOO-24-00398

Tgt Ion:264 Resp: 526285
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.7 28.1
 265 21.9 17.4 26.2

