

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032525\
 Data File : BF142089.D
 Acq On : 25 Mar 2025 20:36
 Operator : RC/JU
 Sample : Q1632-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PIER-1-2

Quant Time: Mar 25 21:51:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

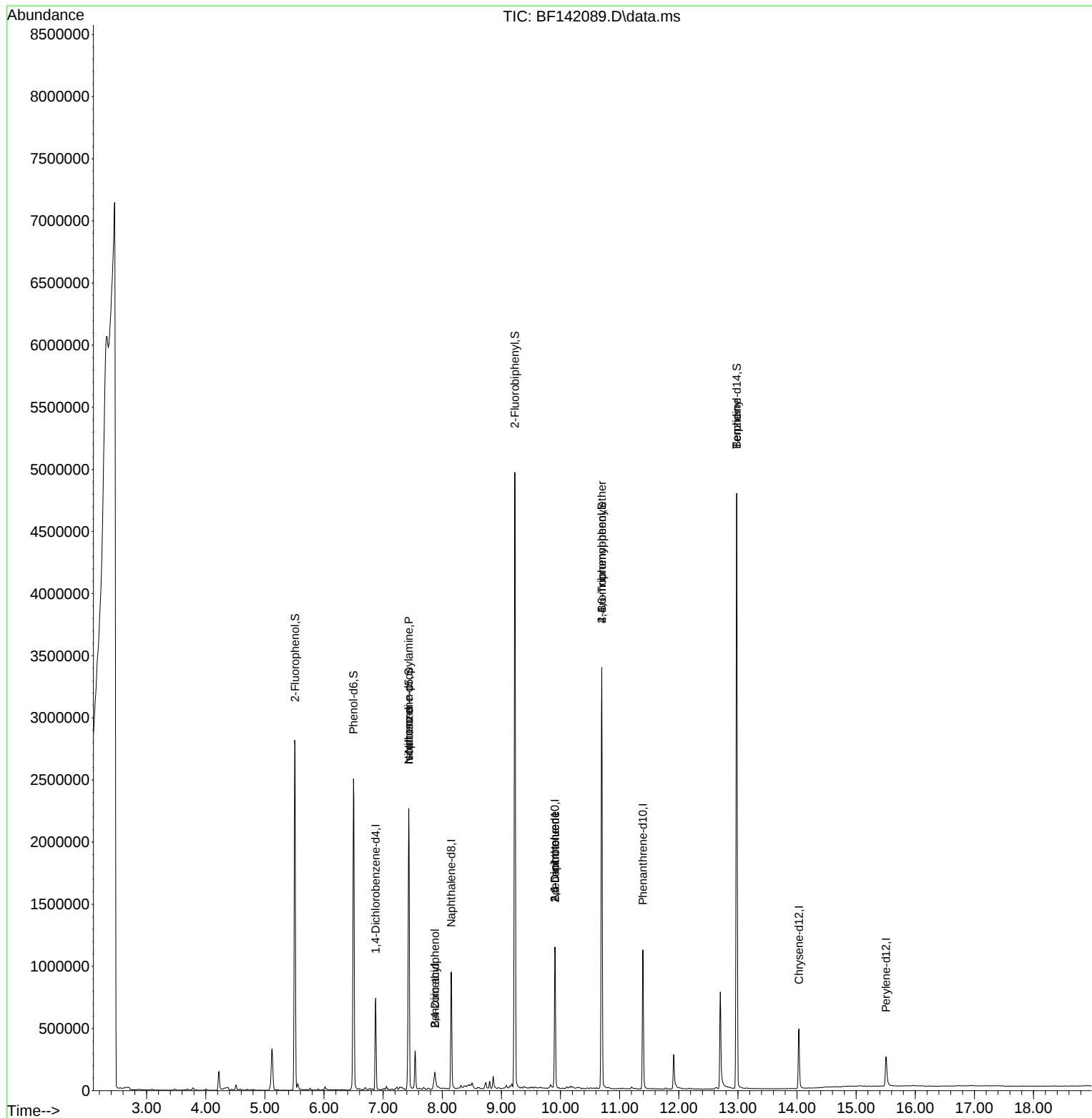
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	159786	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	622502	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	356409	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	592183	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	271718	20.000	ng	0.00
86) Perylene-d12	15.504	264	194164	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1179604	123.209	ng	0.02
7) Phenol-d6	6.498	99	1302491	106.851	ng	0.00
23) Nitrobenzene-d5	7.434	82	1090039	98.543	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	682477	150.940	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	2313577	98.721	ng	-0.01
79) Terphenyl-d14	12.980	244	2409306	131.094	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	151457	19.337	ng	# 78
25) Isophorone	7.434	82	1073719	54.913	ng	# 64
27) 2,4-Dimethylphenol	7.875	122	52958	7.126	ng	# 3
32) Benzoic acid	7.875	122	52958	8.107	ng	# 96
51) 2,6-Dinitrotoluene	9.904	165	46815	9.009	ng	# 23
57) 2,4-Dinitrotoluene	9.904	165	46875	6.906	ng	# 24
67) 4-Bromophenyl-phenylether	10.698	248	42150	5.668	ng	# 1
77) Benzidine	12.980	184	32158	8.483	ng	# 93

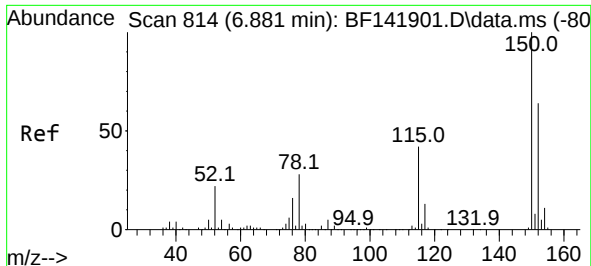
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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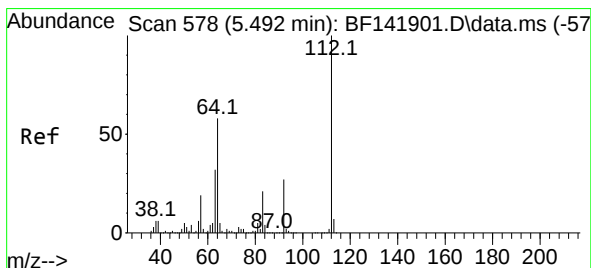
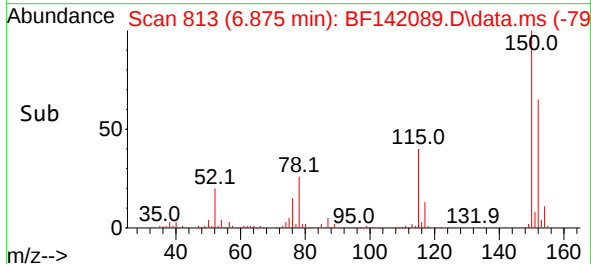
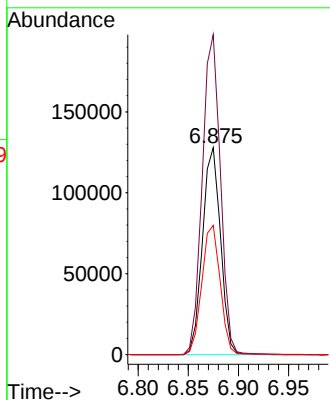
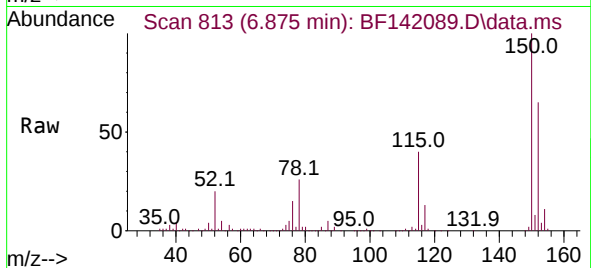




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF142089.D
Acq: 25 Mar 2025 20:36

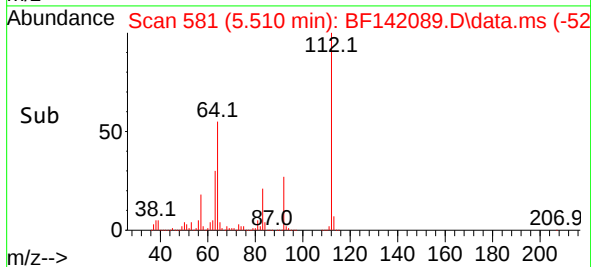
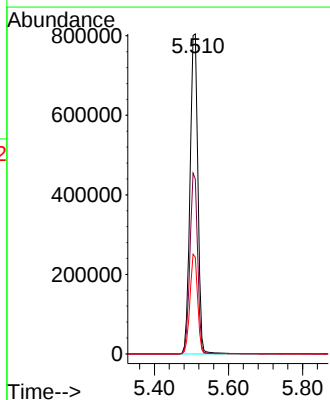
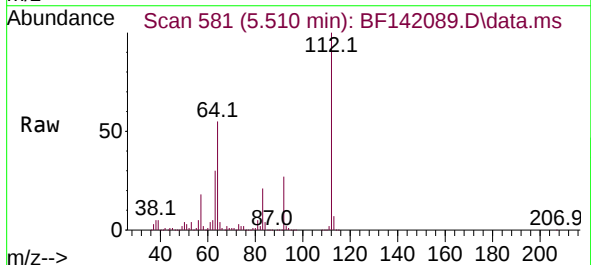
Instrument :
BNA_F
ClientSampleId :
PIER-1-2

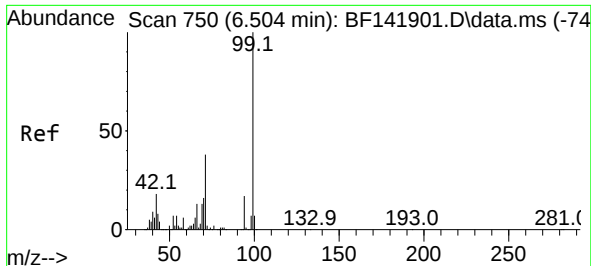
Tgt Ion:152 Resp: 159786
Ion Ratio Lower Upper
152 100
150 154.6 127.4 191.2
115 62.4 51.9 77.9



#5
2-Fluorophenol
Concen: 123.209 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.018 min
Lab File: BF142089.D
Acq: 25 Mar 2025 20:36

Tgt Ion:112 Resp: 1179604
Ion Ratio Lower Upper
112 100
64 54.6 46.5 69.7
63 30.2 25.4 38.2

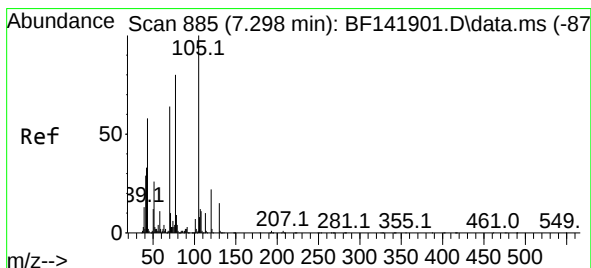
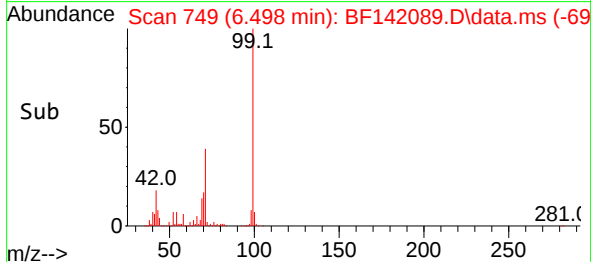
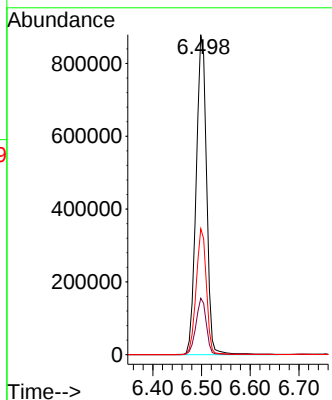
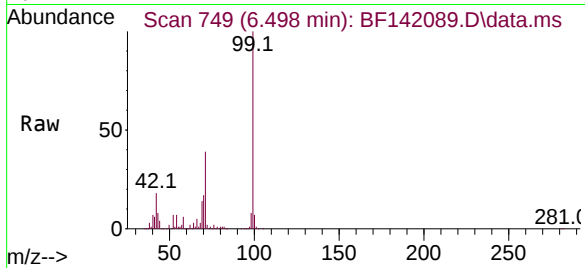




#7
Phenol-d6
Concen: 106.851 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF142089.D
Acq: 25 Mar 2025 20:36

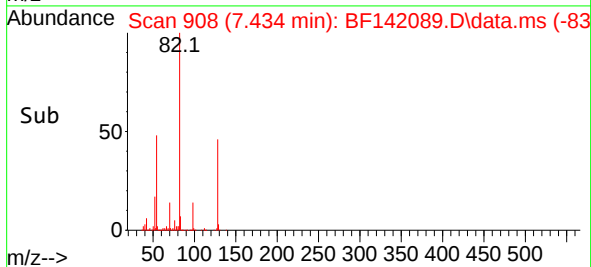
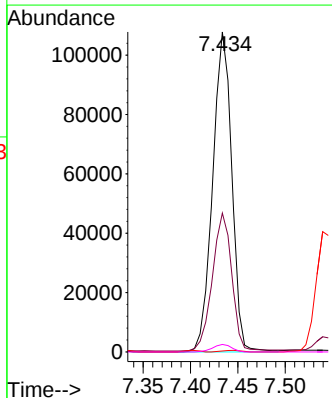
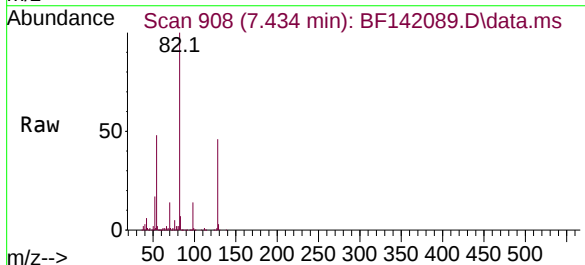
Instrument :
BNA_F
ClientSampleId :
PIER-1-2

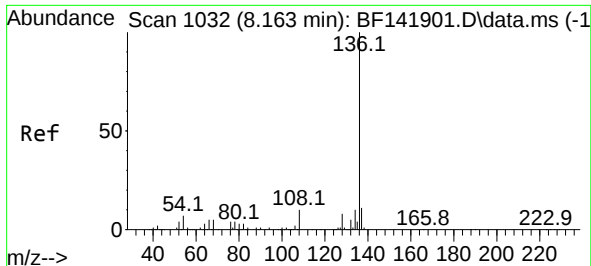
Tgt Ion: 99 Resp: 1302491
Ion Ratio Lower Upper
99 100
42 17.6 14.6 21.8
71 39.3 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 19.337 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF142089.D
Acq: 25 Mar 2025 20:36

Tgt Ion: 70 Resp: 151457
Ion Ratio Lower Upper
70 100
42 43.4 41.4 62.0
101 0.3 8.2 12.2#
130 2.3 18.2 27.4#



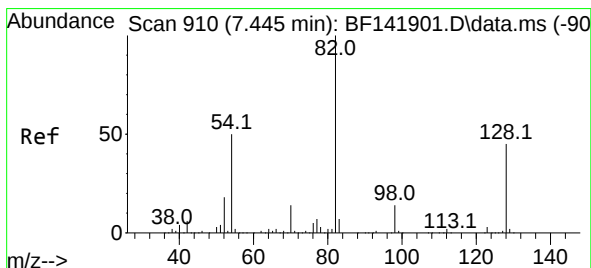
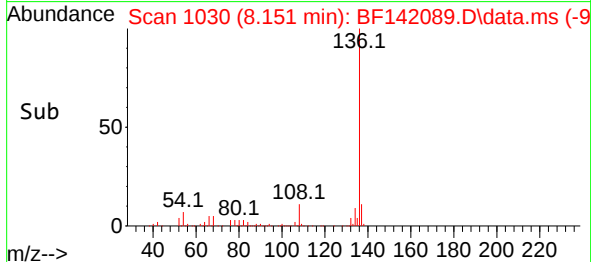
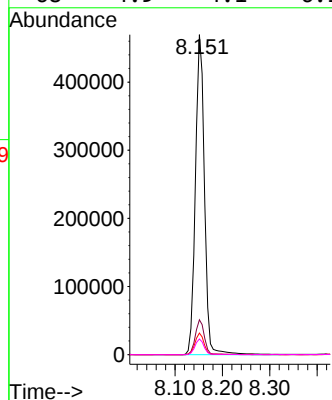
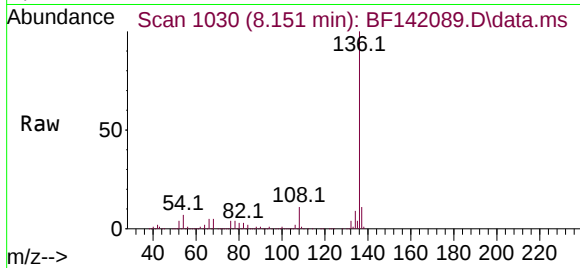


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 10
Delta R.T. -0.012 min
Lab File: BF142089.D
Acq: 25 Mar 2025 20:36

Instrument :
BNA_F
ClientSampleId :
PIER-1-2

Tgt Ion:136 Resp: 622502

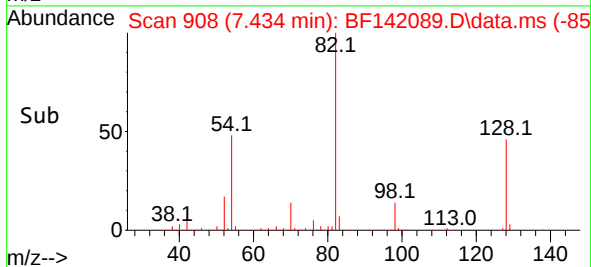
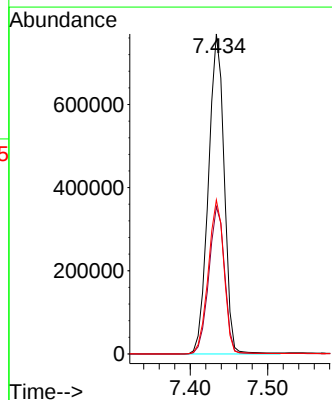
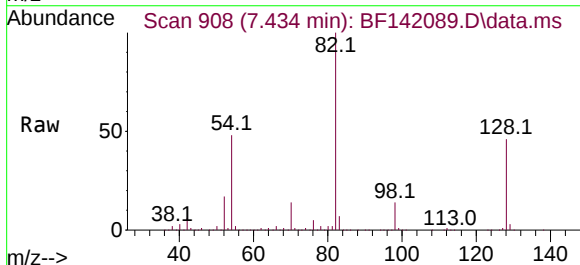
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	6.7	5.8	8.8
68	4.9	4.1	6.1

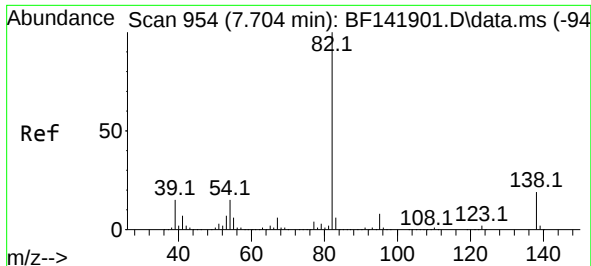


#23
Nitrobenzene-d5
Concen: 98.543 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF142089.D
Acq: 25 Mar 2025 20:36

Tgt Ion: 82 Resp: 1090039

Ion	Ratio	Lower	Upper
82	100		
128	46.0	36.0	54.0
54	48.1	39.6	59.4

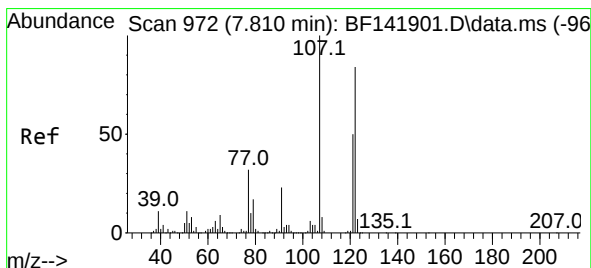
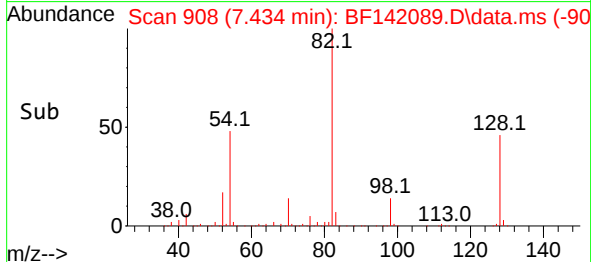
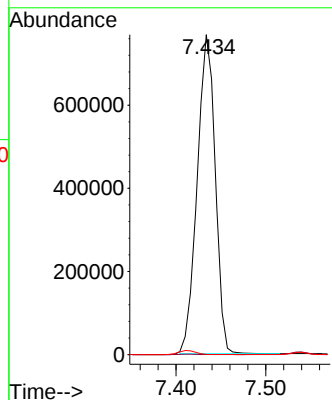
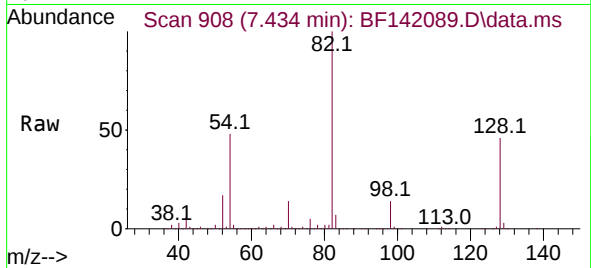




#25
Isophorone
Concen: 54.913 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF142089.D
Acq: 25 Mar 2025 20:36

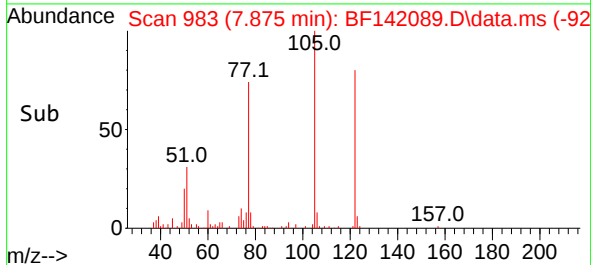
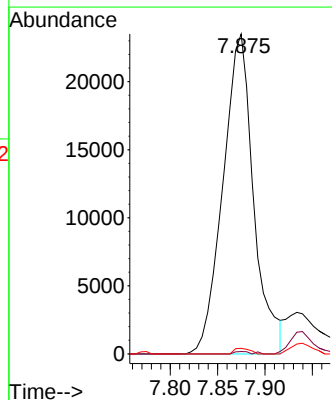
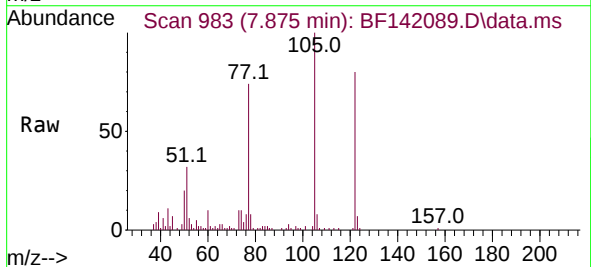
Instrument :
BNA_F
ClientSampleId :
PIER-1-2

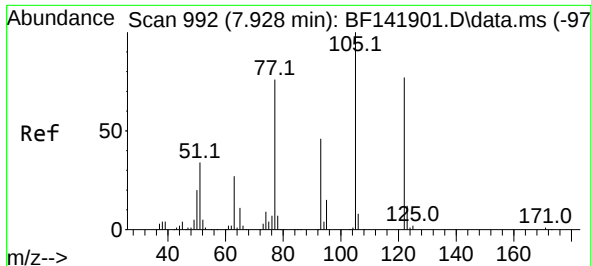
Tgt Ion: 82 Resp: 1073719
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.1 14.9 22.3#



#27
2,4-Dimethylphenol
Concen: 7.126 ng
RT: 7.875 min Scan# 983
Delta R.T. 0.065 min
Lab File: BF142089.D
Acq: 25 Mar 2025 20:36

Tgt Ion:122 Resp: 52958
Ion Ratio Lower Upper
122 100
107 0.7 94.8 142.2#
121 1.8 47.8 71.6#

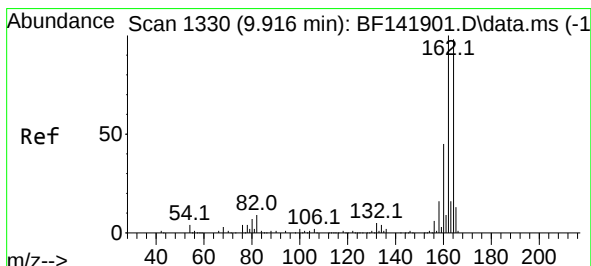
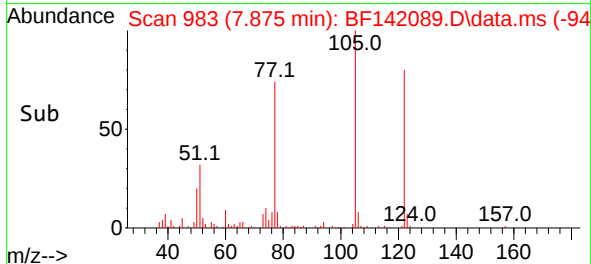
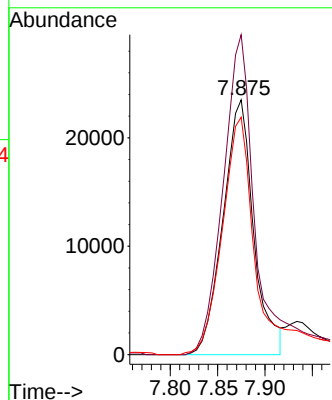
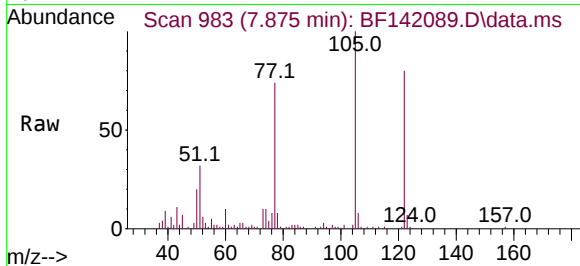




#32
Benzoic acid
Concen: 8.107 ng
RT: 7.875 min Scan# 983
Delta R.T. -0.053 min
Lab File: BF142089.D
Acq: 25 Mar 2025 20:36

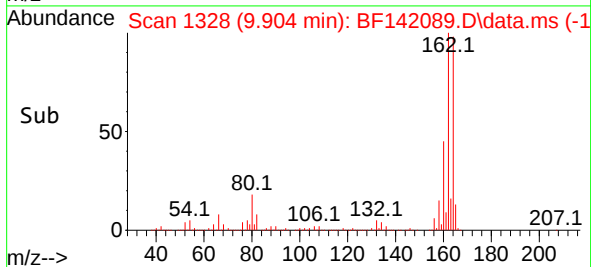
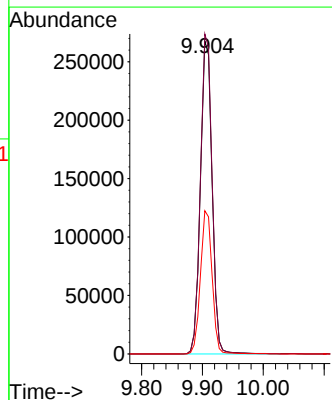
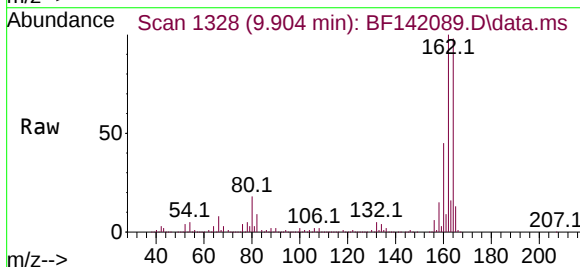
Instrument :
BNA_F
ClientSampleId :
PIER-1-2

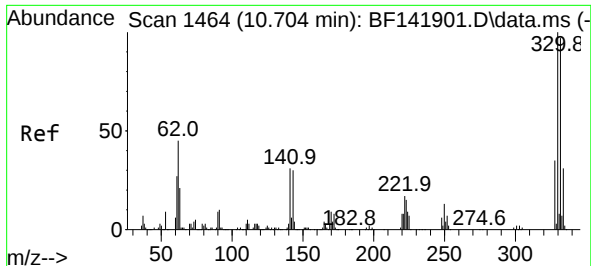
Tgt Ion:122 Resp: 52958
Ion Ratio Lower Upper
122 100
105 125.6 107.9 147.9
77 93.2 79.0 119.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142089.D
Acq: 25 Mar 2025 20:36

Tgt Ion:164 Resp: 356409
Ion Ratio Lower Upper
164 100
162 102.3 81.8 122.6
160 45.7 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 150.940 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF142089.D

Acq: 25 Mar 2025 20:36

Instrument :

BNA_F

ClientSampleId :

PIER-1-2

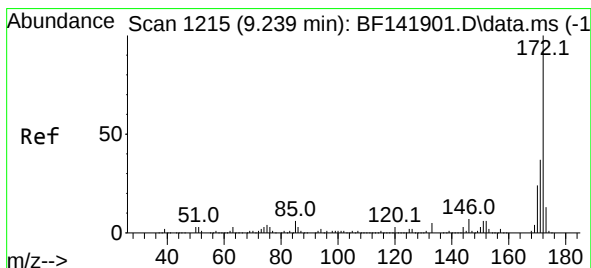
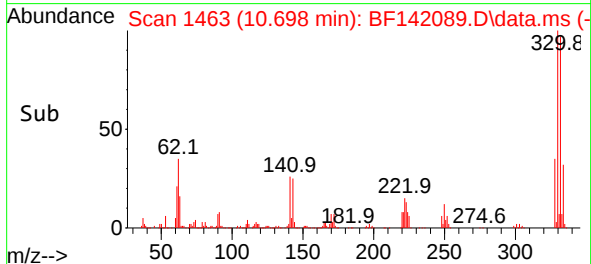
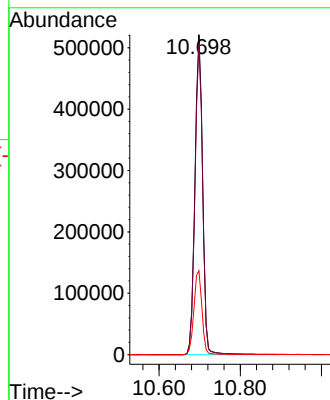
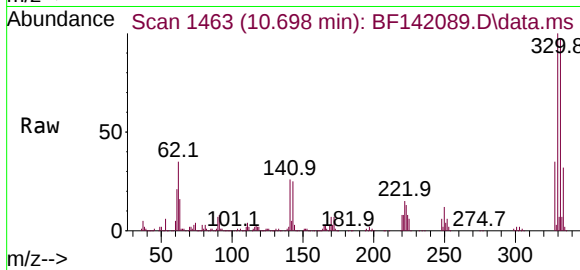
Tgt Ion:330 Resp: 682477

Ion Ratio Lower Upper

330 100

332 96.6 77.6 116.4

141 27.6 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 98.721 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142089.D

Acq: 25 Mar 2025 20:36

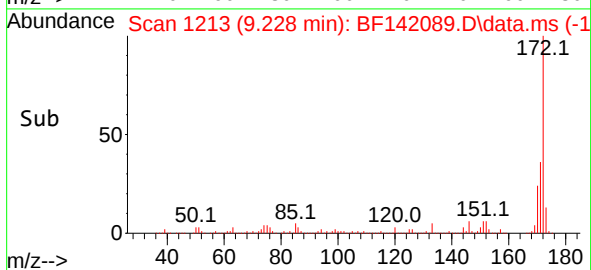
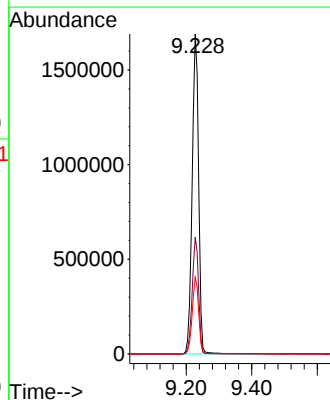
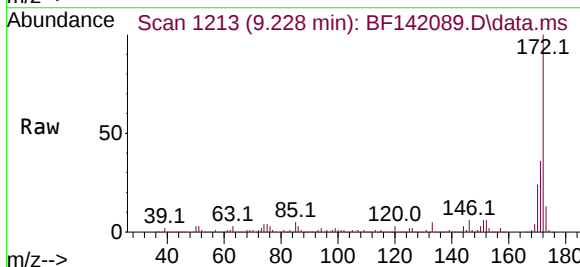
Tgt Ion:172 Resp: 2313577

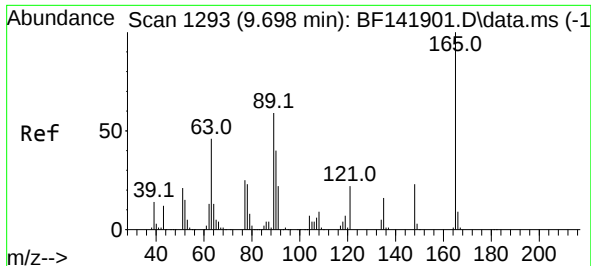
Ion Ratio Lower Upper

172 100

171 36.5 29.3 43.9

170 23.9 19.4 29.0





#51

2,6-Dinitrotoluene

Concen: 9.009 ng

RT: 9.904 min Scan# 1328

Delta R.T. 0.206 min

Lab File: BF142089.D

Acq: 25 Mar 2025 20:36

Instrument :

BNA_F

ClientSampleId :

PIER-1-2

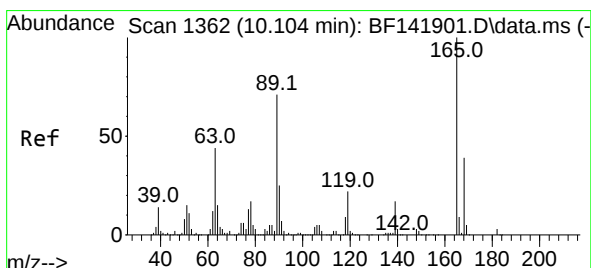
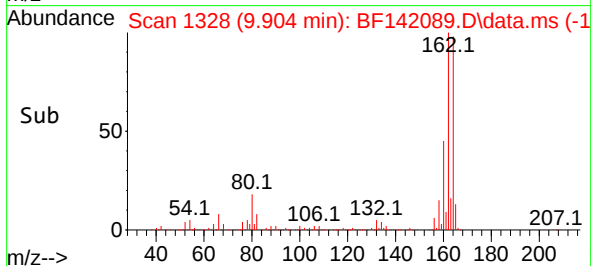
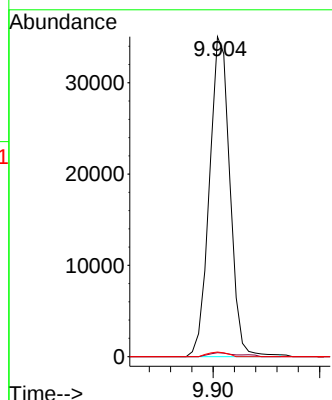
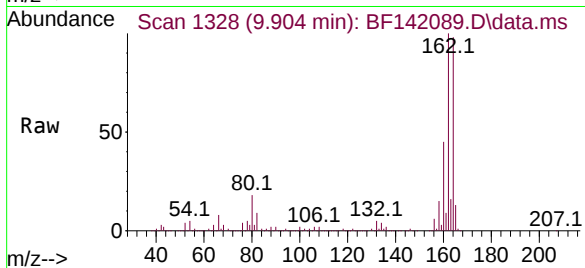
Tgt Ion:165 Resp: 46815

Ion Ratio Lower Upper

165 100

63 1.2 47.0 70.4#

89 1.4 47.4 71.2#



#57

2,4-Dinitrotoluene

Concen: 6.906 ng

RT: 9.904 min Scan# 1328

Delta R.T. -0.200 min

Lab File: BF142089.D

Acq: 25 Mar 2025 20:36

Tgt Ion:165 Resp: 46875

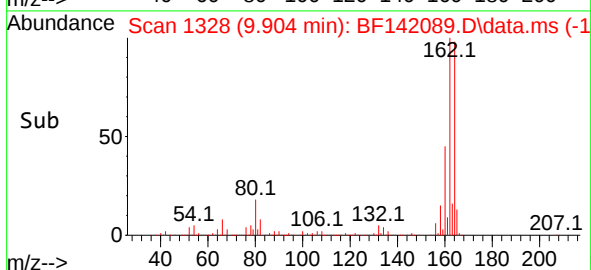
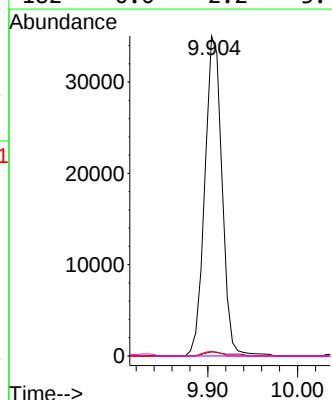
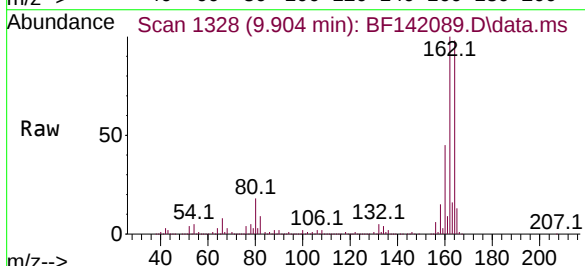
Ion Ratio Lower Upper

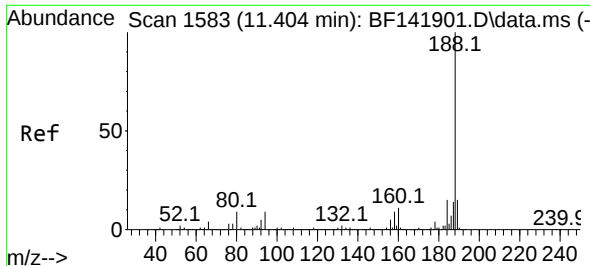
165 100

63 1.2 35.4 53.2#

89 1.4 56.6 84.8#

182 0.0 2.2 3.4#

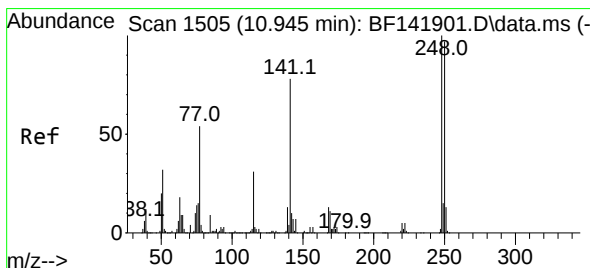
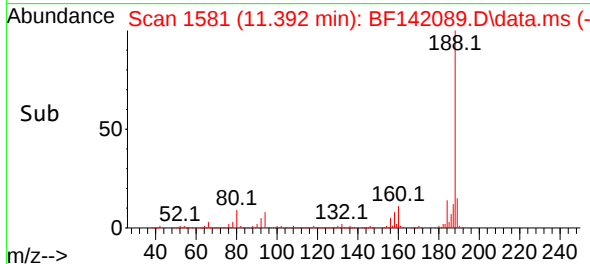
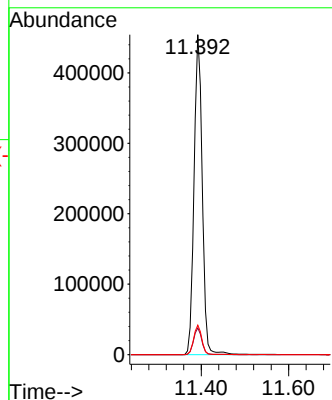
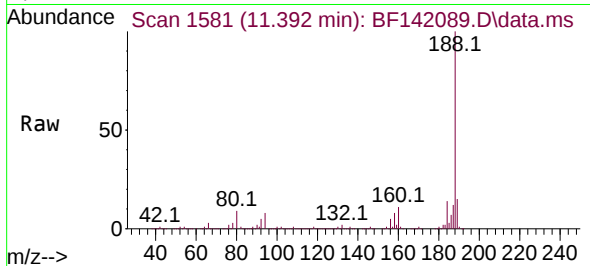




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142089.D
Acq: 25 Mar 2025 20:36

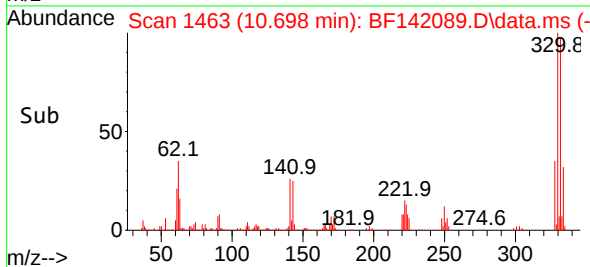
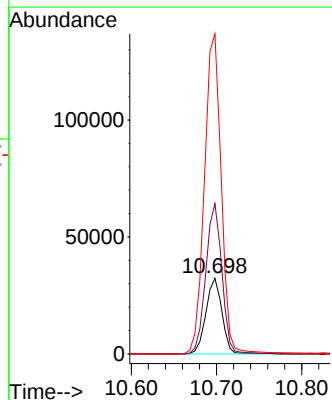
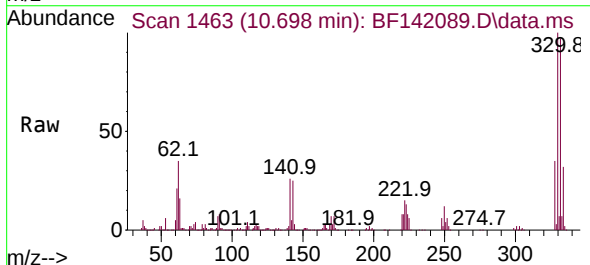
Instrument :
BNA_F
ClientSampleId :
PIER-1-2

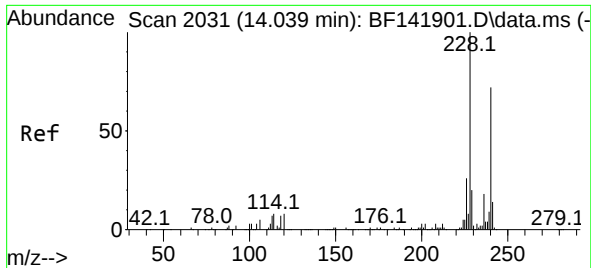
Tgt Ion:188 Resp: 592183
Ion Ratio Lower Upper
188 100
94 8.3 6.8 10.2
80 9.2 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 5.668 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF142089.D
Acq: 25 Mar 2025 20:36

Tgt Ion:248 Resp: 42150
Ion Ratio Lower Upper
248 100
250 198.8 77.8 116.8#
141 423.3 62.6 93.8#

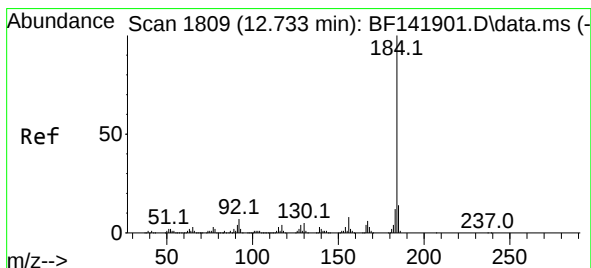
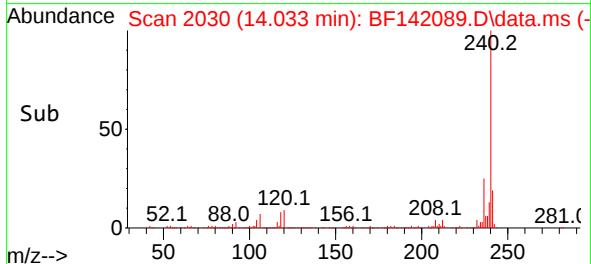
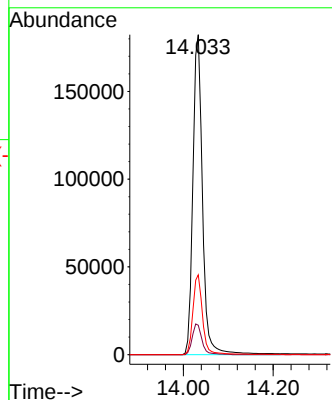
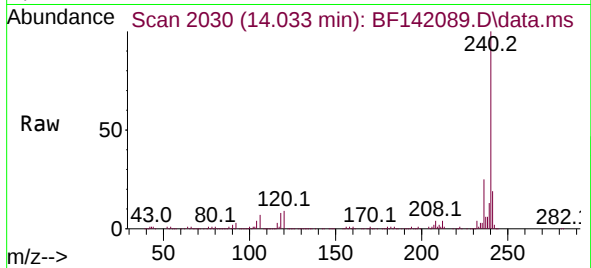




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF142089.D
Acq: 25 Mar 2025 20:36

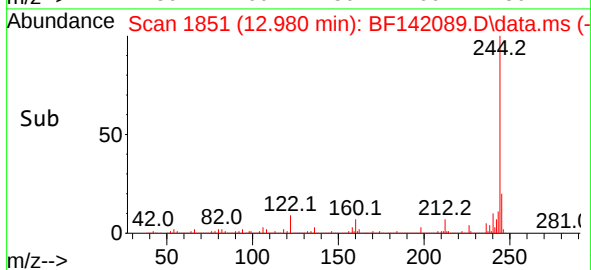
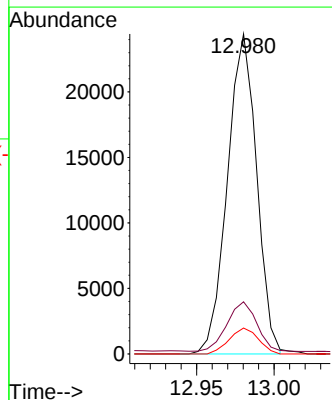
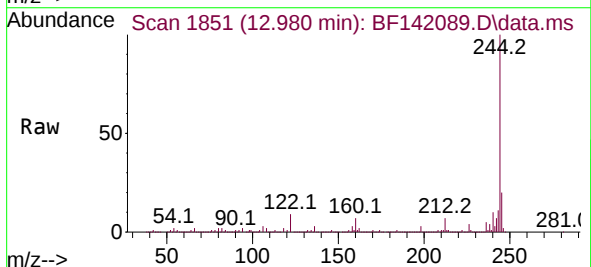
Instrument :
BNA_F
ClientSampleId :
PIER-1-2

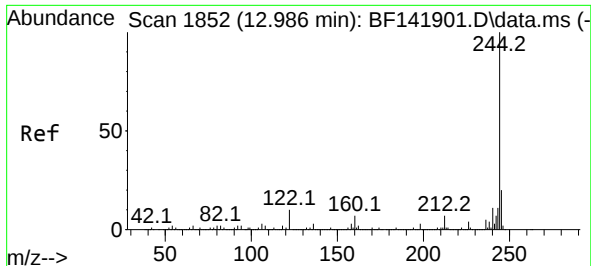
Tgt Ion:240 Resp: 271718
Ion Ratio Lower Upper
240 100
120 9.2 8.4 12.6
236 24.9 20.5 30.7



#77
Benzidine
Concen: 8.483 ng
RT: 12.980 min Scan# 1851
Delta R.T. 0.247 min
Lab File: BF142089.D
Acq: 25 Mar 2025 20:36

Tgt Ion:184 Resp: 32158
Ion Ratio Lower Upper
184 100
185 16.3 11.5 17.3
183 8.1 9.7 14.5#

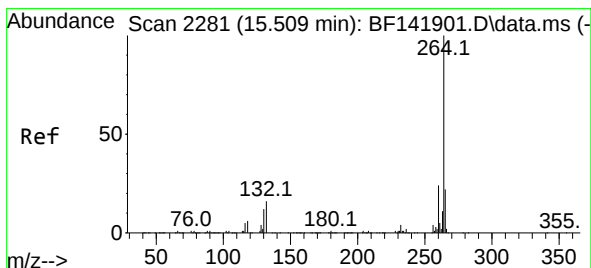
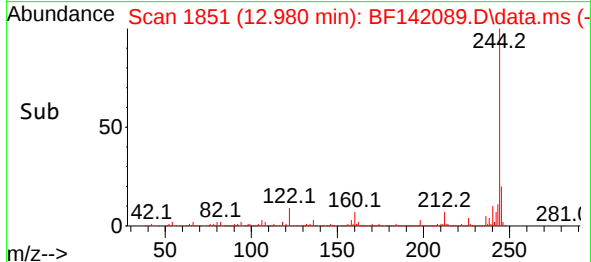
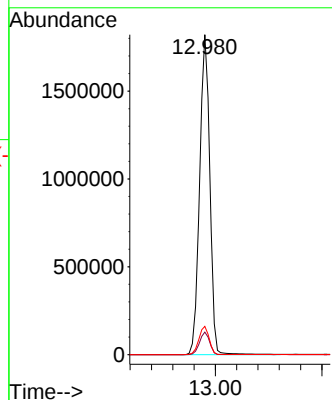
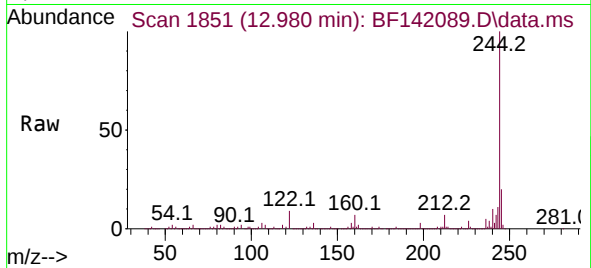




#79
 Terphenyl-d14
 Concen: 131.094 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF142089.D
 Acq: 25 Mar 2025 20:36

Instrument :
 BNA_F
 ClientSampleId :
 PIER-1-2

Tgt Ion:244 Resp: 2409306
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 8.8 7.7 11.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.504 min Scan# 2280
 Delta R.T. -0.006 min
 Lab File: BF142089.D
 Acq: 25 Mar 2025 20:36

Tgt Ion:264 Resp: 194164
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.1 28.7
 265 21.6 17.5 26.3

