

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
 Data File : BF142145.D
 Acq On : 28 Mar 2025 01:08
 Operator : RC/JU
 Sample : Q1645-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Mar 28 03:56:55 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)

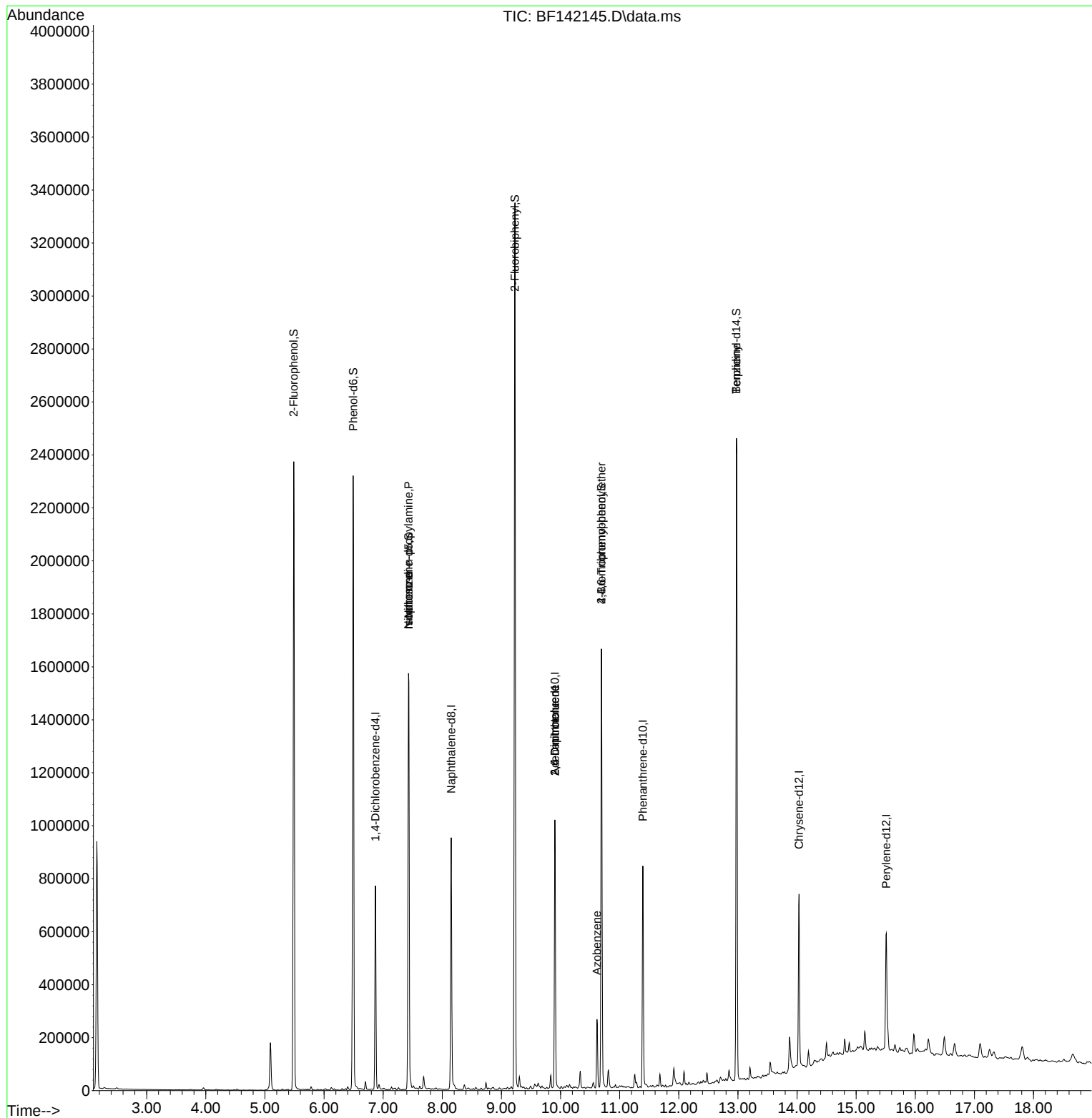
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	164436	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	620305	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	304379	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	432928	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	335042	20.000	ng	0.00
86) Perylene-d12	15.510	264	277287	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	947602	96.178	ng	0.00
7) Phenol-d6	6.493	99	1157860	92.300	ng	-0.01
23) Nitrobenzene-d5	7.428	82	763093	69.230	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	310441	80.395	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	1489321	74.413	ng	-0.01
79) Terphenyl-d14	12.974	244	1228998	54.233	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	103818	12.880	ng	# 79
25) Isophorone	7.428	82	754721	38.735	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	40379	9.099	ng	# 23
57) 2,4-Dinitrotoluene	9.904	165	40374	6.965	ng	# 24
63) Azobenzene	10.616	77	65362	3.308	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	18608	3.422	ng	# 1
77) Benzidine	12.974	184	16755	3.584	ng	# 91

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

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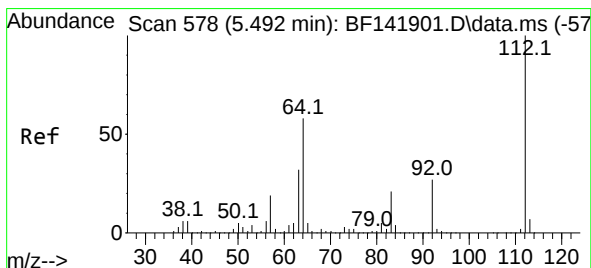
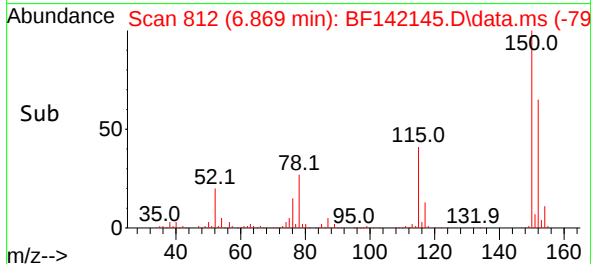
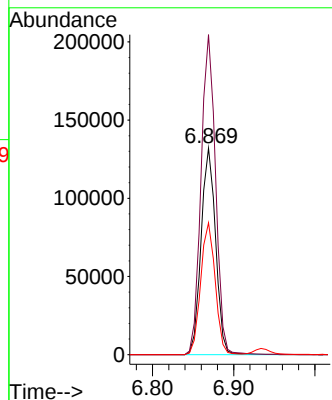
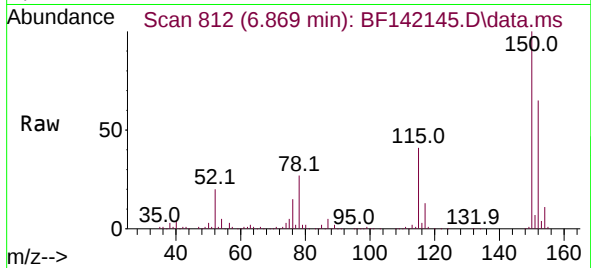




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142145.D
Acq: 28 Mar 2025 01:08

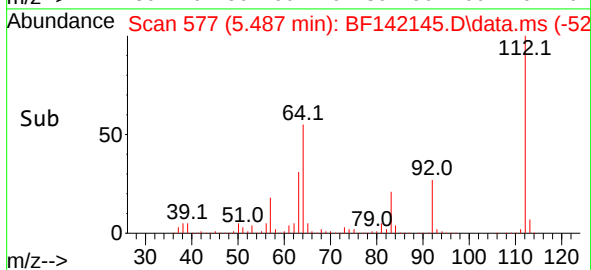
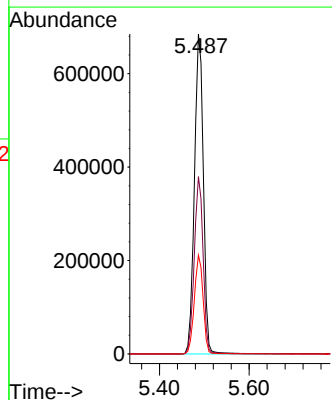
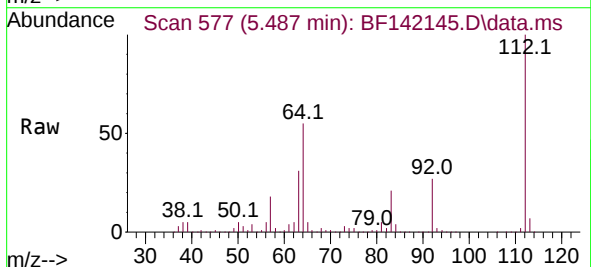
Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:152 Resp: 164436
Ion Ratio Lower Upper
152 100
150 155.0 127.4 191.2
115 63.8 51.9 77.9



#5
2-Fluorophenol
Concen: 96.178 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF142145.D
Acq: 28 Mar 2025 01:08

Tgt Ion:112 Resp: 947602
Ion Ratio Lower Upper
112 100
64 55.4 46.5 69.7
63 30.8 25.4 38.2

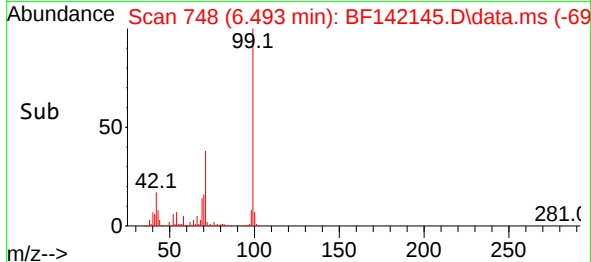
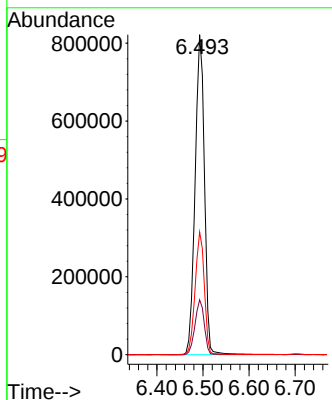
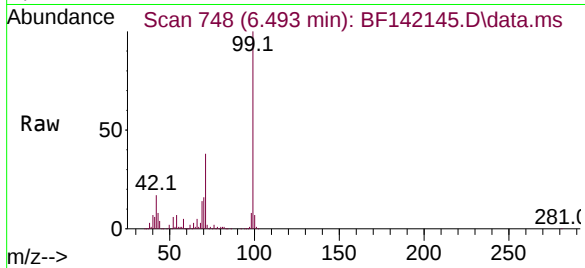




#7
Phenol-d6
Concen: 92.300 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142145.D
Acq: 28 Mar 2025 01:08

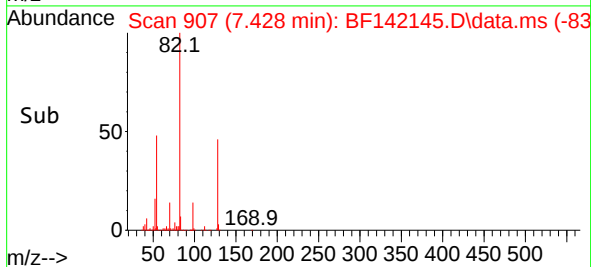
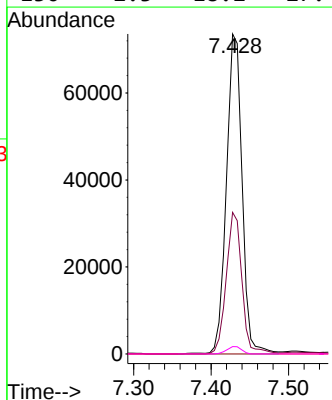
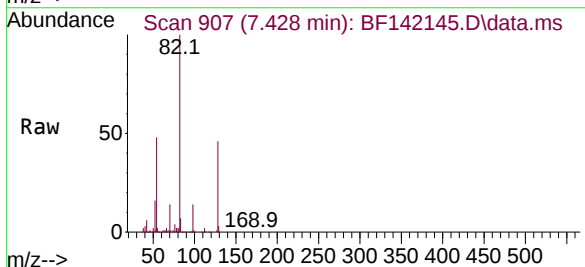
Instrument :
BNA_F
ClientSampleId :
TP-1

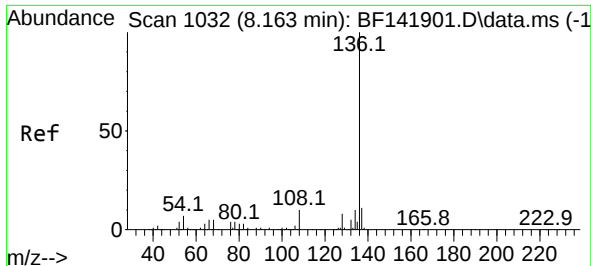
Tgt Ion: 99 Resp: 1157860
Ion Ratio Lower Upper
99 100
42 17.1 14.6 21.8
71 38.4 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.880 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.130 min
Lab File: BF142145.D
Acq: 28 Mar 2025 01:08

Tgt Ion: 70 Resp: 103818
Ion Ratio Lower Upper
70 100
42 44.2 41.4 62.0
101 0.0 8.2 12.2#
130 2.3 18.2 27.4#



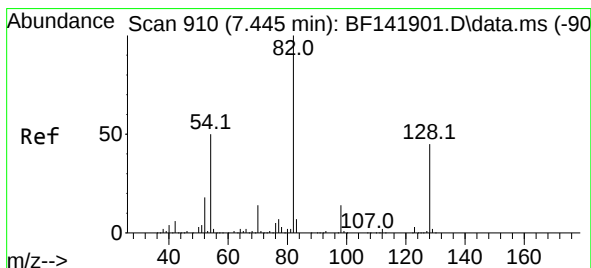
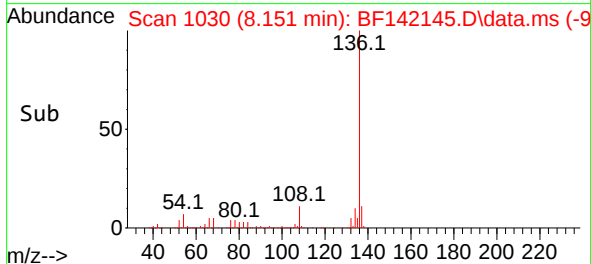
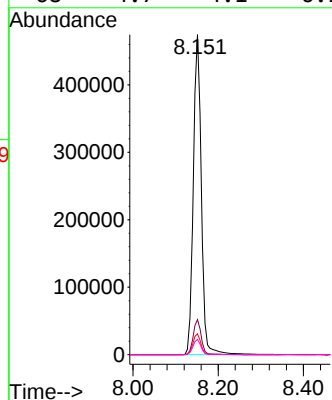
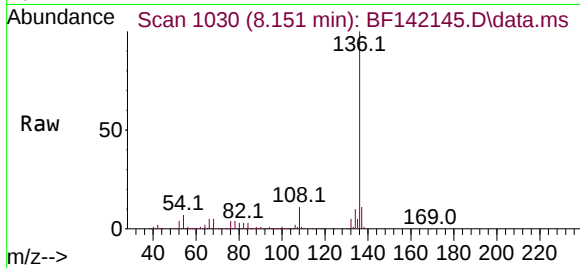


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142145.D
Acq: 28 Mar 2025 01:08

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:136 Resp: 620305

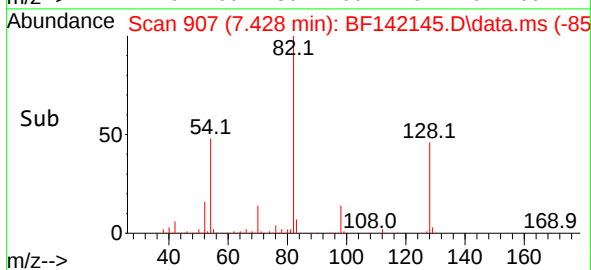
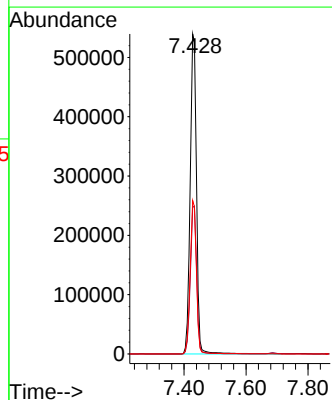
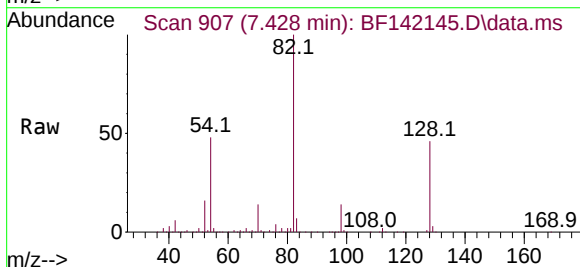
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	6.5	5.8	8.8
68	4.7	4.1	6.1

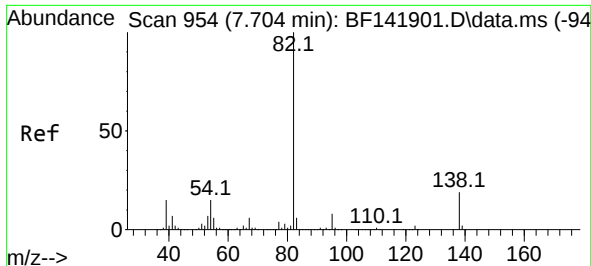


#23
Nitrobenzene-d5
Concen: 69.230 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.018 min
Lab File: BF142145.D
Acq: 28 Mar 2025 01:08

Tgt Ion: 82 Resp: 763093

Ion	Ratio	Lower	Upper
82	100		
128	45.8	36.0	54.0
54	47.9	39.6	59.4

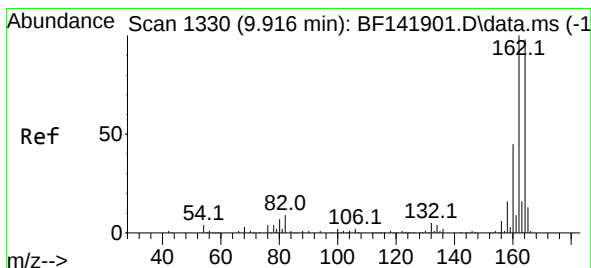
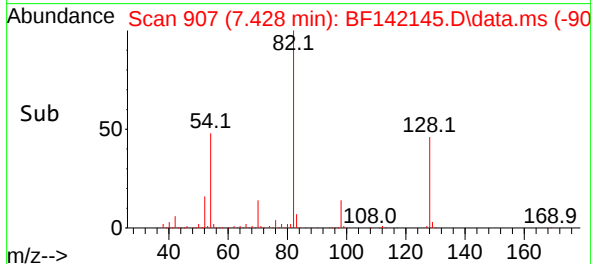
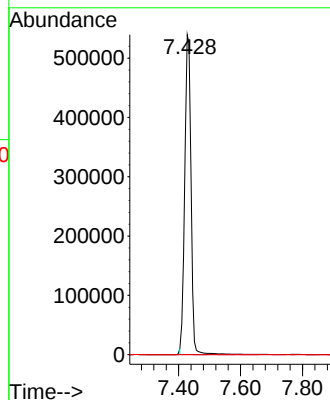
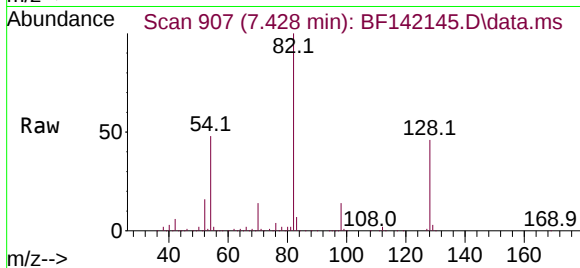




#25
Isophorone
Concen: 38.735 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.276 min
Lab File: BF142145.D
Acq: 28 Mar 2025 01:08

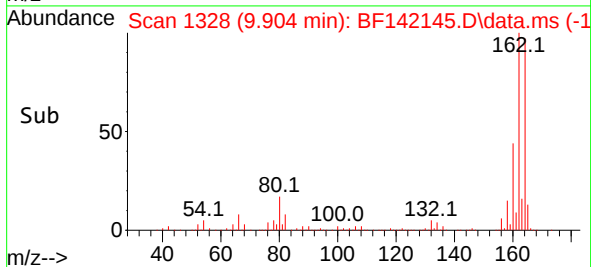
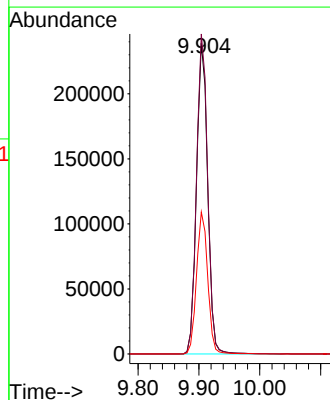
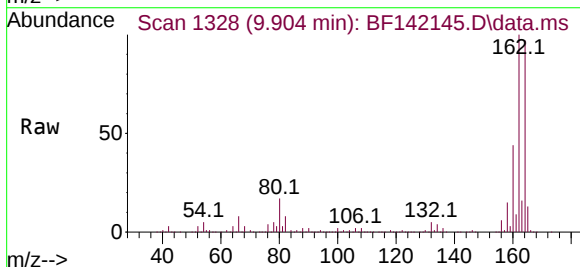
Instrument :
BNA_F
ClientSampleId :
TP-1

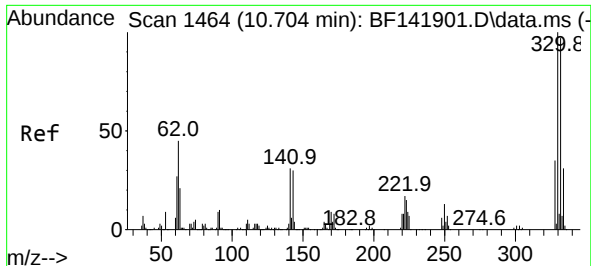
Tgt Ion: 82 Resp: 754721
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142145.D
Acq: 28 Mar 2025 01:08

Tgt Ion: 164 Resp: 304379
Ion Ratio Lower Upper
164 100
162 103.0 81.8 122.6
160 45.7 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 80.395 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.012 min

Lab File: BF142145.D

Acq: 28 Mar 2025 01:08

Instrument :

BNA_F

ClientSampleId :

TP-1

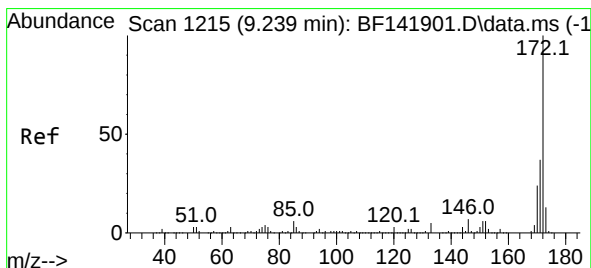
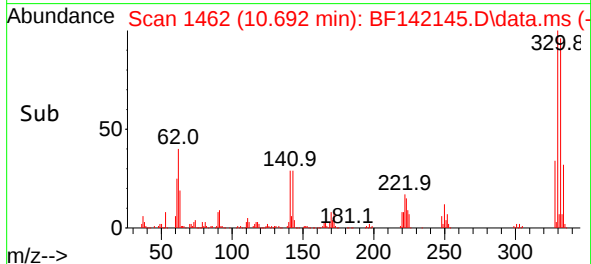
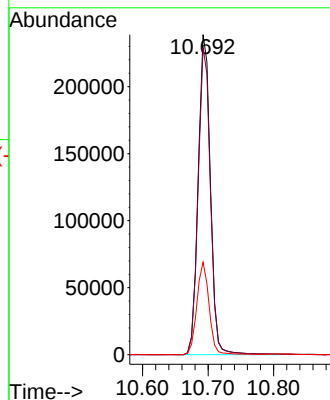
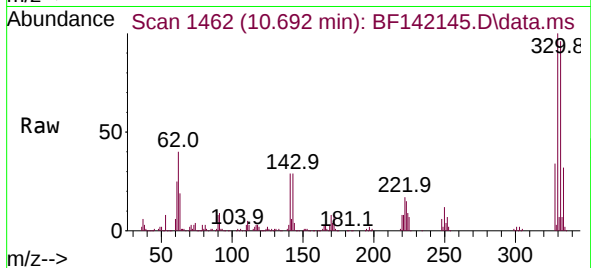
Tgt Ion:330 Resp: 310441

Ion Ratio Lower Upper

330 100

332 96.4 77.6 116.4

141 28.9 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 74.413 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142145.D

Acq: 28 Mar 2025 01:08

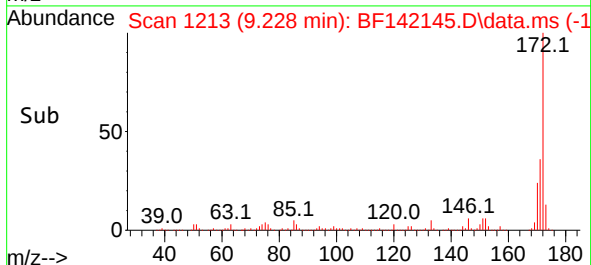
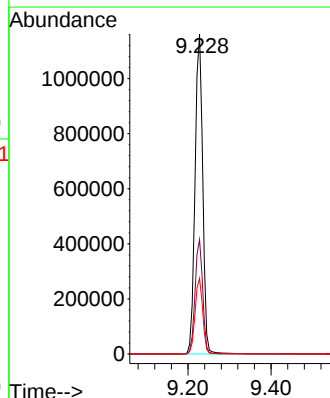
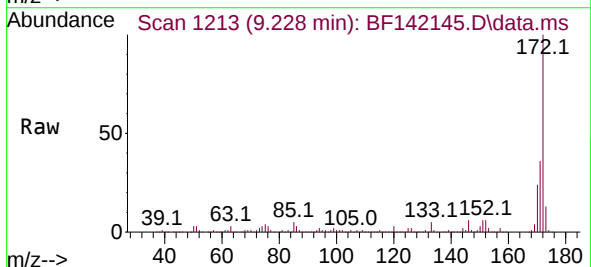
Tgt Ion:172 Resp: 1489321

Ion Ratio Lower Upper

172 100

171 35.7 29.3 43.9

170 23.7 19.4 29.0

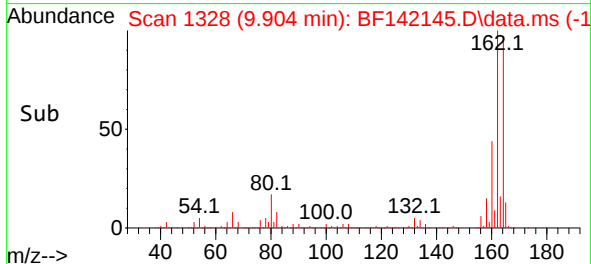
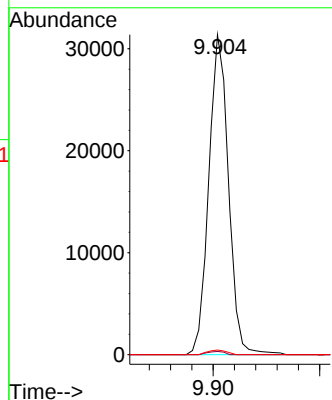
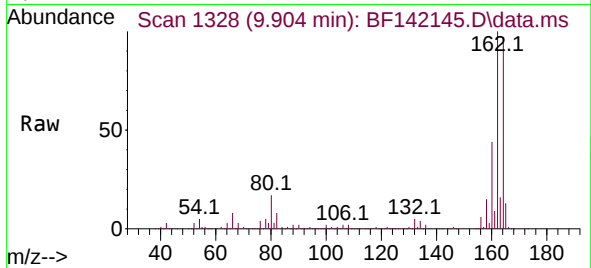




#51
2,6-Dinitrotoluene
Concen: 9.099 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142145.D
Acq: 28 Mar 2025 01:08

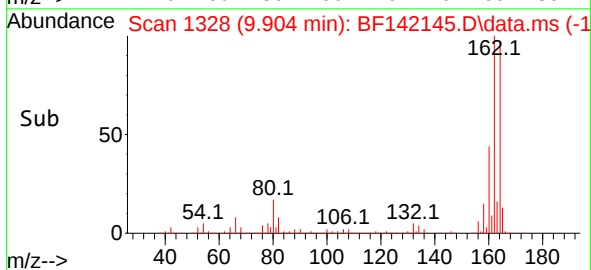
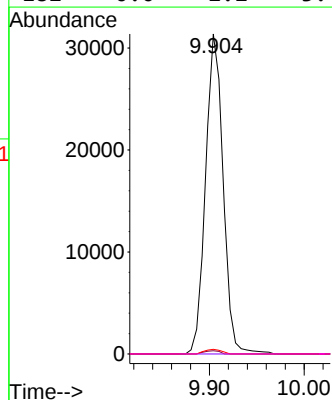
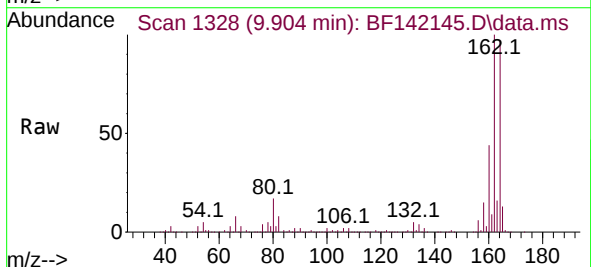
Instrument :
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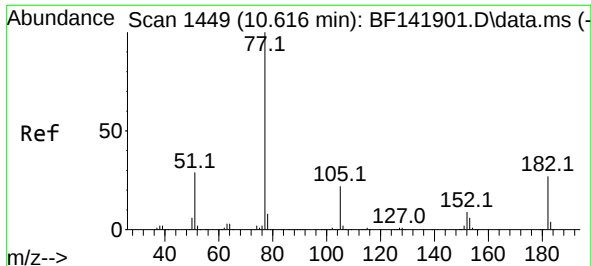
Tgt Ion:165 Resp: 40379
Ion Ratio Lower Upper
165 100
63 1.0 47.0 70.4#
89 1.4 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.965 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF142145.D
Acq: 28 Mar 2025 01:08

Tgt Ion:165 Resp: 40374
Ion Ratio Lower Upper
165 100
63 1.0 35.4 53.2#
89 1.4 56.6 84.8#
182 0.0 2.2 3.4#

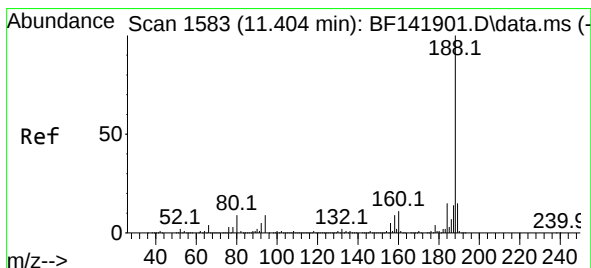
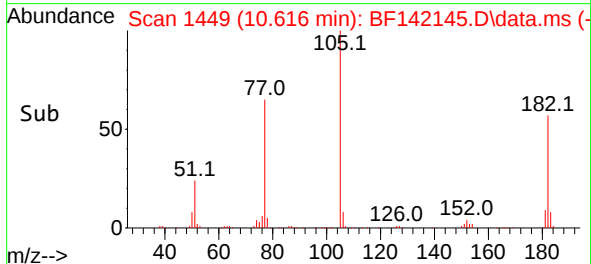
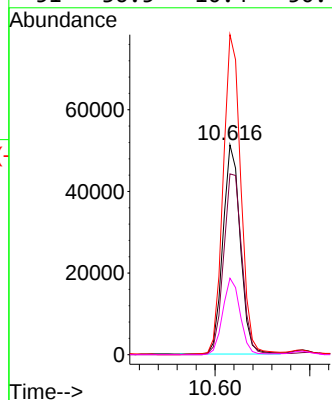
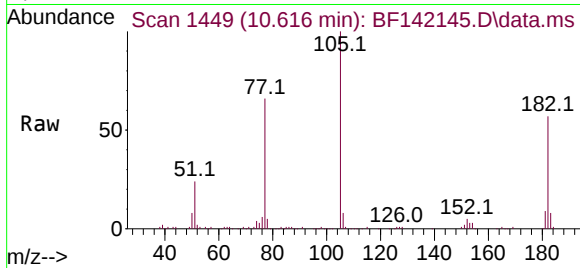




#63
Azobenzene
Concen: 3.308 ng
RT: 10.616 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF142145.D
Acq: 28 Mar 2025 01:08

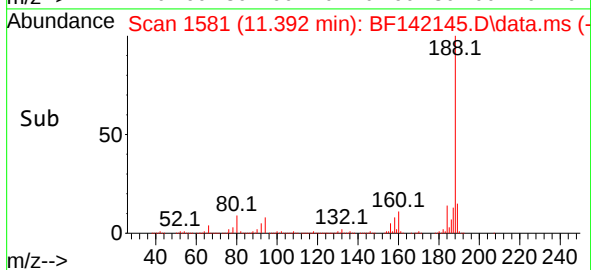
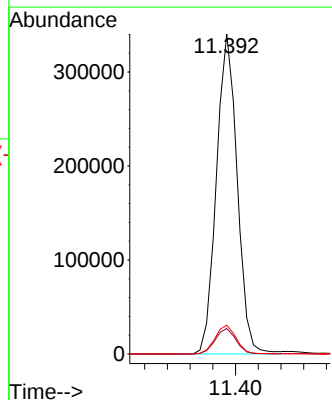
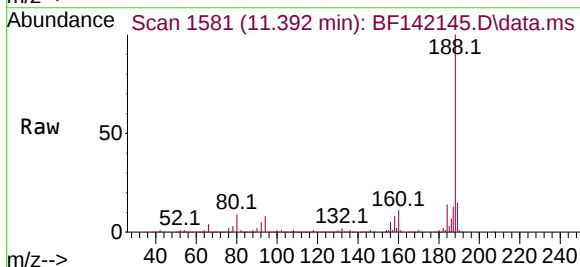
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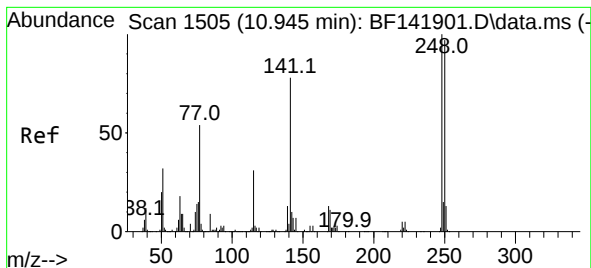
Tgt Ion: 77 Resp: 65362
Ion Ratio Lower Upper
77 100
182 86.2 6.6 46.6#
105 152.5 1.3 41.3#
51 36.5 10.4 50.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF142145.D
Acq: 28 Mar 2025 01:08

Tgt Ion: 188 Resp: 432928
Ion Ratio Lower Upper
188 100
94 7.9 6.8 10.2
80 9.0 7.6 11.4

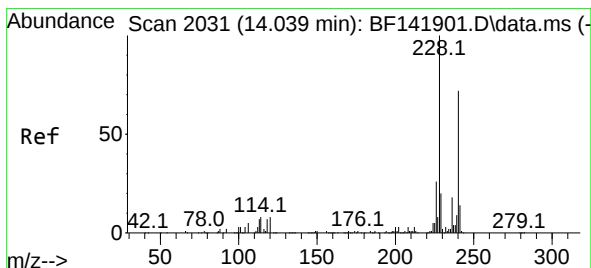
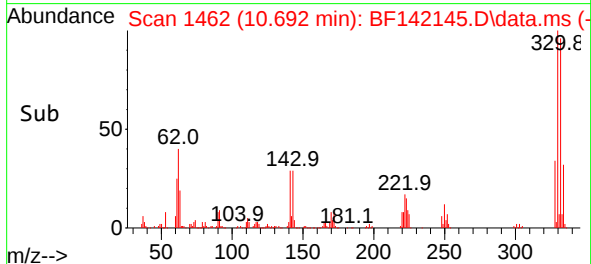
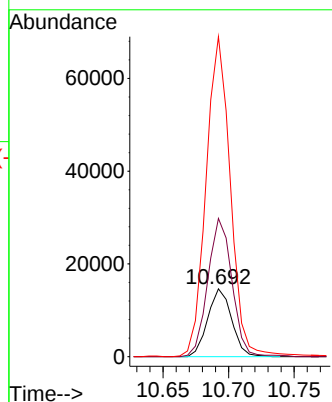
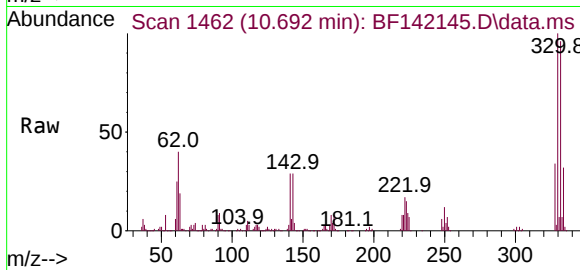




#67
4-Bromophenyl-phenylether
Concen: 3.422 ng
RT: 10.692 min Scan# 141
Delta R.T. -0.253 min
Lab File: BF142145.D
Acq: 28 Mar 2025 01:08

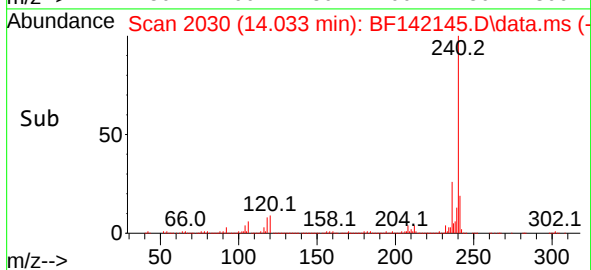
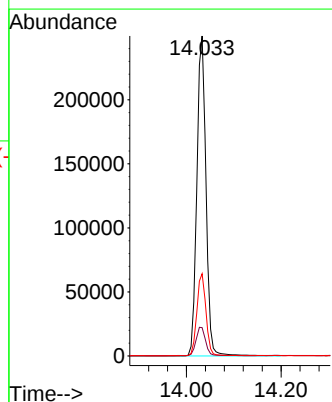
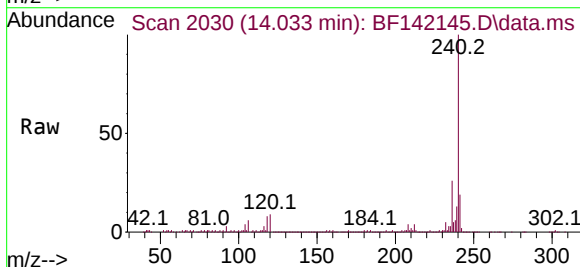
Instrument :
BNA_F
ClientSampleId :
TP-1

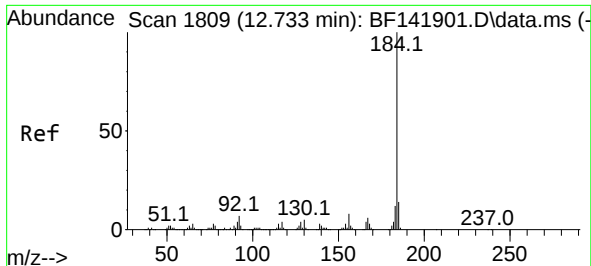
Tgt Ion:248 Resp: 18608
Ion Ratio Lower Upper
248 100
250 203.5 77.8 116.8#
141 471.2 62.6 93.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142145.D
Acq: 28 Mar 2025 01:08

Tgt Ion:240 Resp: 335042
Ion Ratio Lower Upper
240 100
120 8.8 8.4 12.6
236 25.7 20.5 30.7

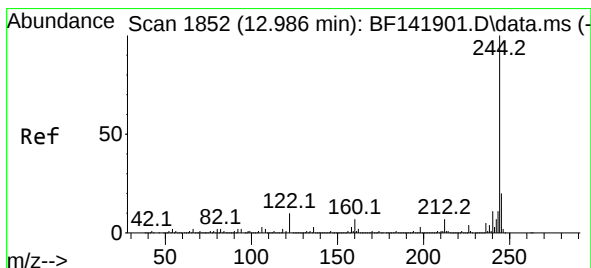
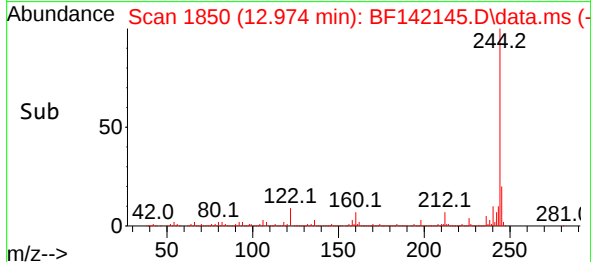
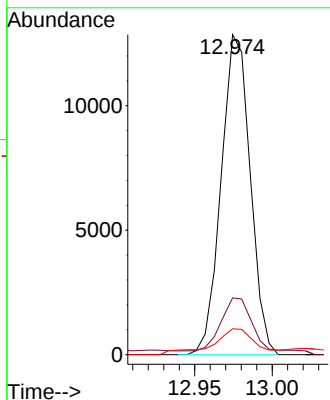
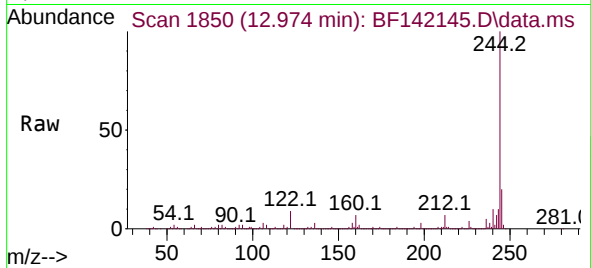




#77
Benzidine
Concen: 3.584 ng
RT: 12.974 min Scan# 1850
Delta R.T. 0.241 min
Lab File: BF142145.D
Acq: 28 Mar 2025 01:08

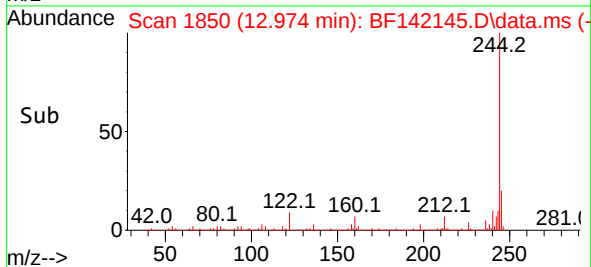
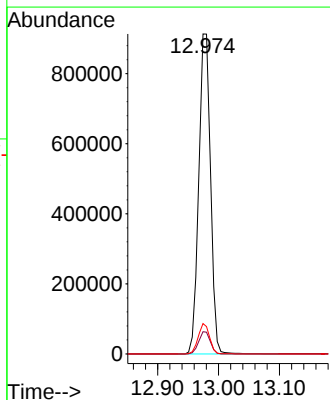
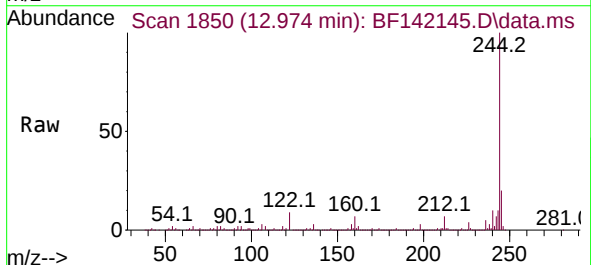
Instrument :
BNA_F
ClientSampleId :
TP-1

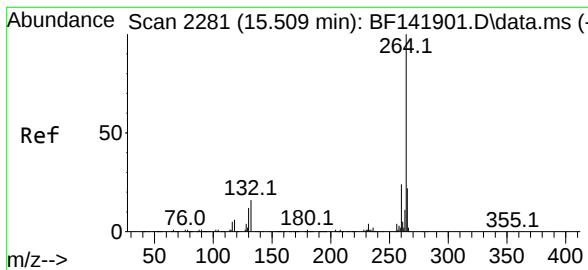
Tgt Ion:184 Resp: 16755
Ion Ratio Lower Upper
184 100
185 17.7 11.5 17.3#
183 8.1 9.7 14.5#



#79
Terphenyl-d14
Concen: 54.233 ng
RT: 12.974 min Scan# 1850
Delta R.T. -0.012 min
Lab File: BF142145.D
Acq: 28 Mar 2025 01:08

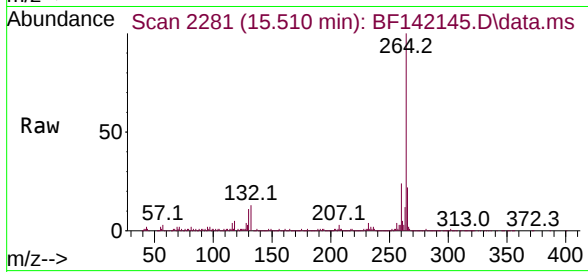
Tgt Ion:244 Resp: 1228998
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 9.5 7.7 11.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.510 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF142145.D
 Acq: 28 Mar 2025 01:08

Instrument :
 BNA_F
 ClientSampleId :
 TP-1



Tgt Ion:264 Resp: 277287

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.1	28.7
265	21.9	17.5	26.3

