

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
 Data File : BF142185.D
 Acq On : 31 Mar 2025 17:27
 Operator : RC/JU
 Sample : Q1664-13
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-BBDGA-004-01

Quant Time: Mar 31 17:45:51 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)

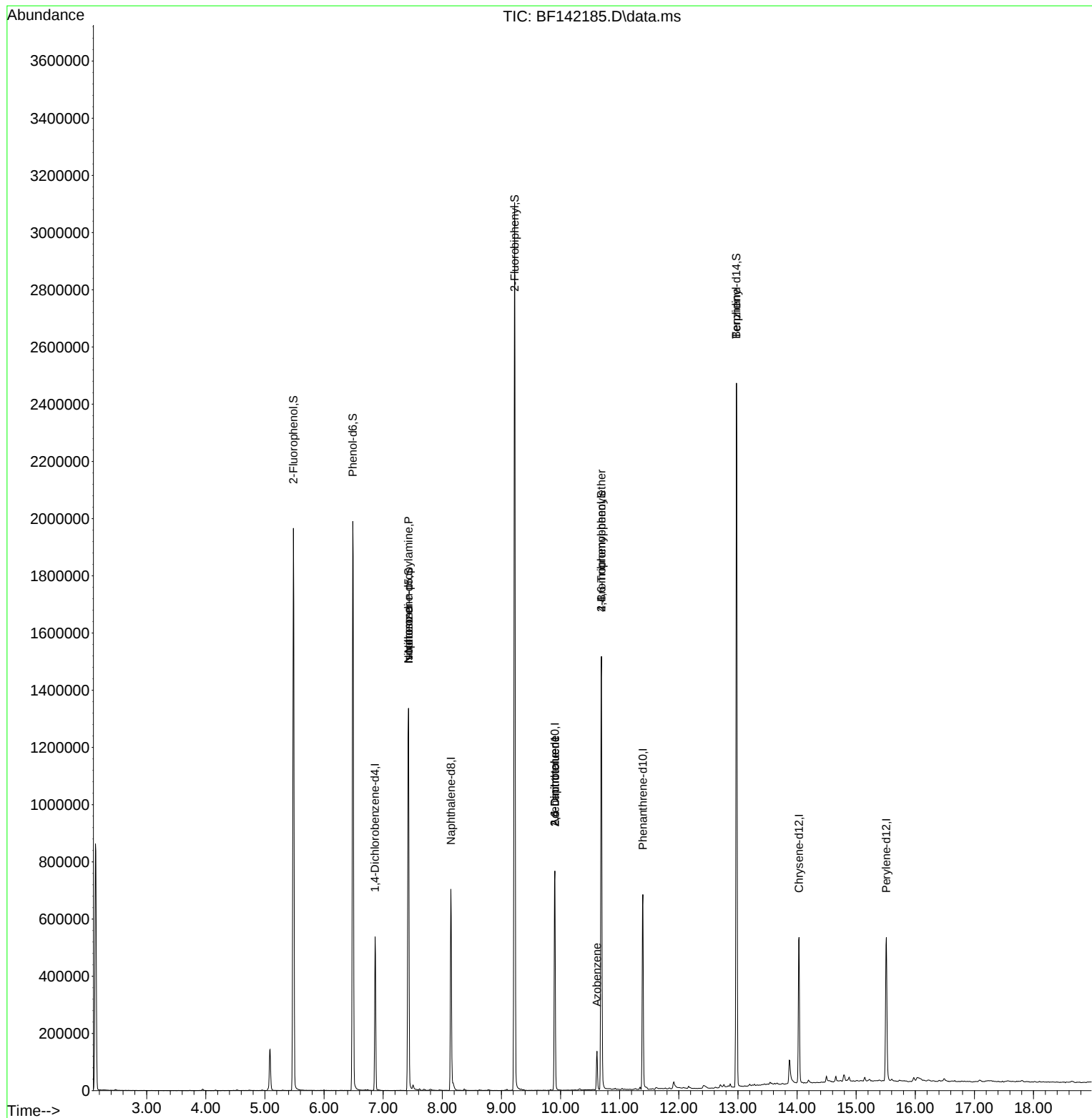
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	115530	20.000	ng	-0.02
21) Naphthalene-d8	8.145	136	474582	20.000	ng	-0.02
39) Acenaphthene-d10	9.904	164	241354	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	379208	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	266268	20.000	ng	0.00
86) Perylene-d12	15.510	264	317833	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	779634	112.627	ng	-0.01
7) Phenol-d6	6.487	99	1005465	114.081	ng	-0.02
23) Nitrobenzene-d5	7.428	82	623433	73.927	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	295749	96.590	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	1373830	86.567	ng	-0.02
79) Terphenyl-d14	12.974	244	1217312	67.591	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	86029	15.191	ng	# 76
25) Isophorone	7.428	82	610647	40.964	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	31361	8.912	ng	# 23
57) 2,4-Dinitrotoluene	9.904	165	31361	6.823	ng	# 24
63) Azobenzene	10.616	77	35285	2.252	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	18570	3.899	ng	# 1
77) Benzidine	12.974	184	16585	4.464	ng	# 92

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

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

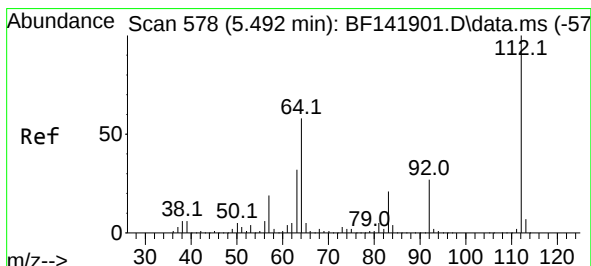
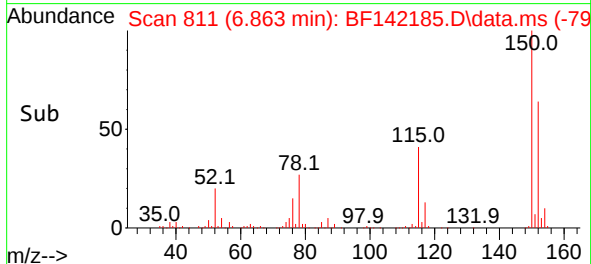
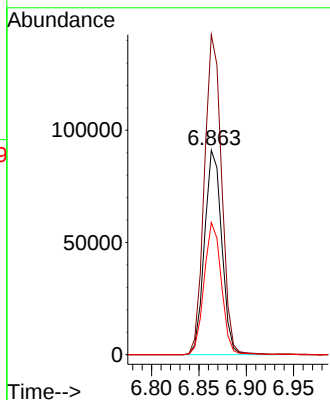
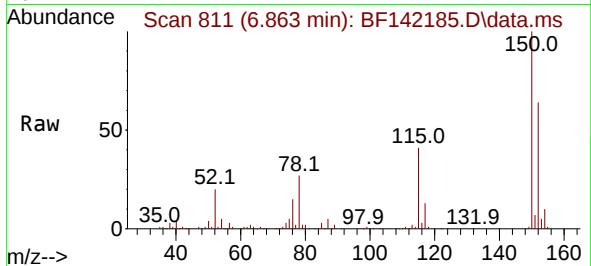




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 814
Delta R.T. -0.018 min
Lab File: BF142185.D
Acq: 31 Mar 2025 17:27

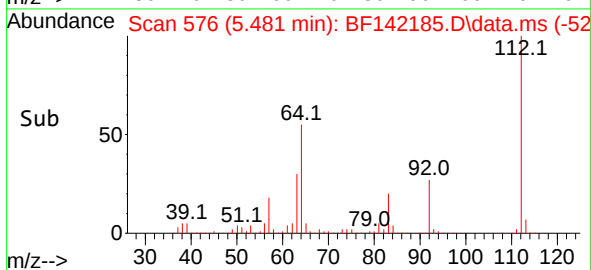
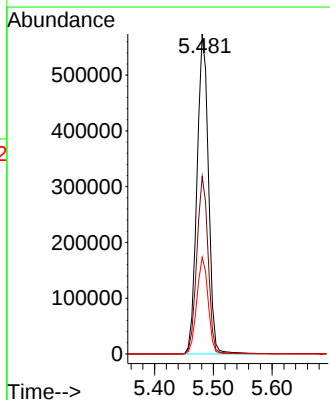
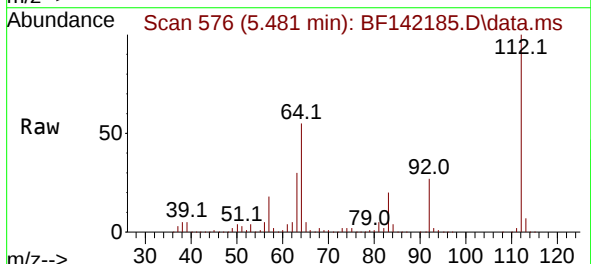
Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-004-01

Tgt Ion:152 Resp: 115530
Ion Ratio Lower Upper
152 100
150 156.5 127.4 191.2
115 64.7 51.9 77.9



#5
2-Fluorophenol
Concen: 112.627 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF142185.D
Acq: 31 Mar 2025 17:27

Tgt Ion:112 Resp: 779634
Ion Ratio Lower Upper
112 100
64 55.5 46.5 69.7
63 30.2 25.4 38.2

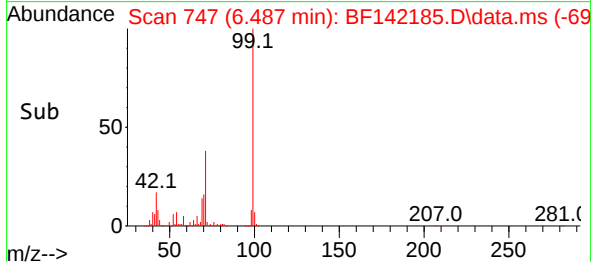
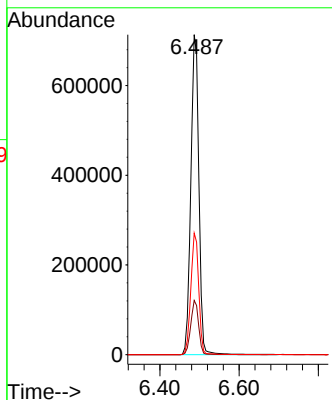
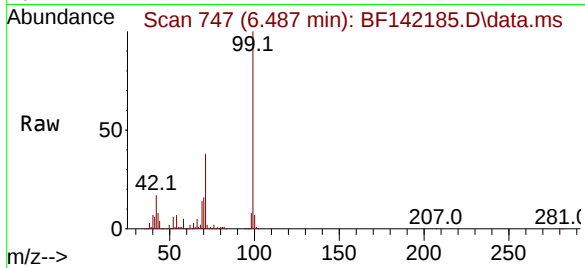




#7
Phenol-d6
Concen: 114.081 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF142185.D
Acq: 31 Mar 2025 17:27

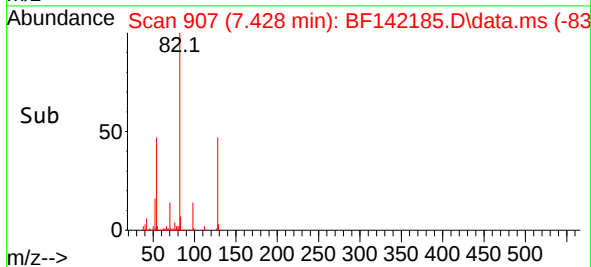
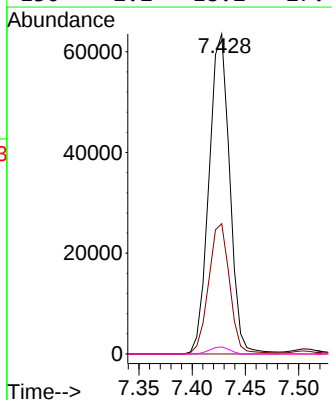
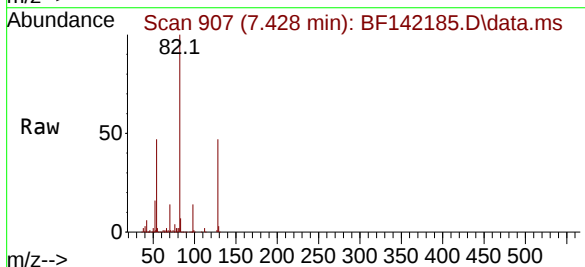
Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-004-01

Tgt Ion: 99 Resp: 1005465
Ion Ratio Lower Upper
99 100
42 16.9 14.6 21.8
71 38.0 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 15.191 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.130 min
Lab File: BF142185.D
Acq: 31 Mar 2025 17:27

Tgt Ion: 70 Resp: 86029
Ion Ratio Lower Upper
70 100
42 40.7 41.4 62.0#
101 0.0 8.2 12.2#
130 2.2 18.2 27.4#

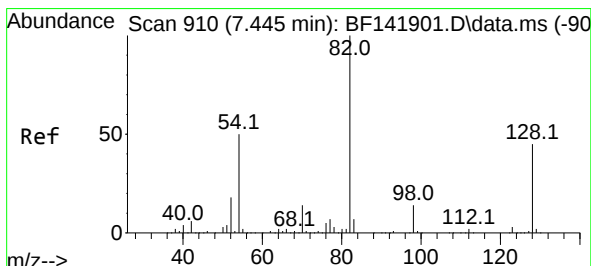
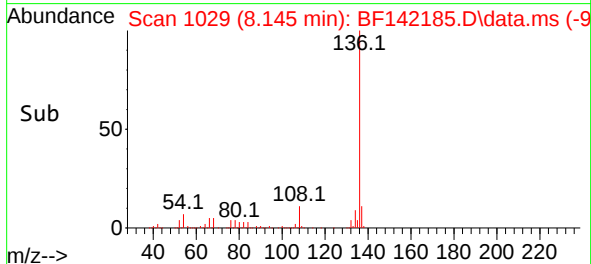
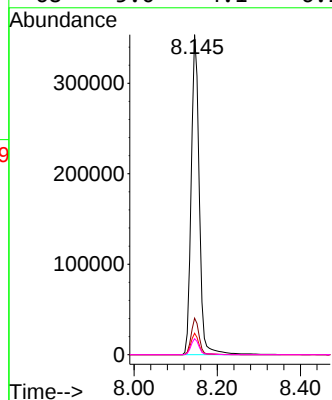
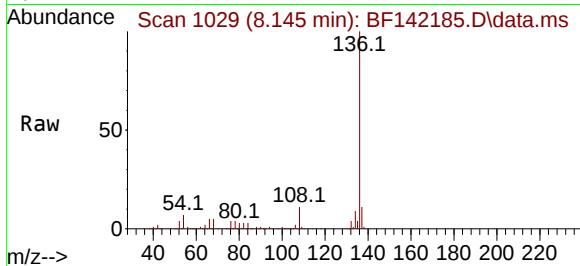




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1032
Delta R.T. -0.018 min
Lab File: BF142185.D
Acq: 31 Mar 2025 17:27

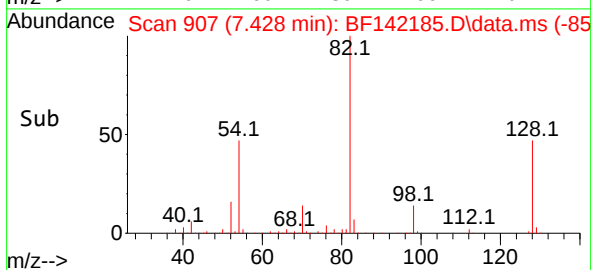
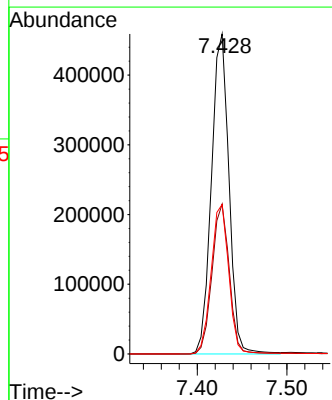
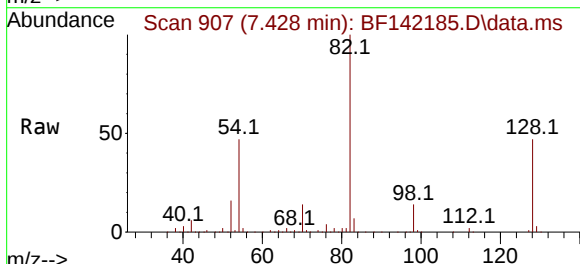
Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-004-01

Tgt Ion:	136	Resp:	474582
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	6.7	5.8	8.8
68	5.0	4.1	6.1



#23
Nitrobenzene-d5
Concen: 73.927 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.018 min
Lab File: BF142185.D
Acq: 31 Mar 2025 17:27

Tgt Ion:	82	Resp:	623433
Ion	Ratio	Lower	Upper
82	100		
128	46.8	36.0	54.0
54	46.7	39.6	59.4

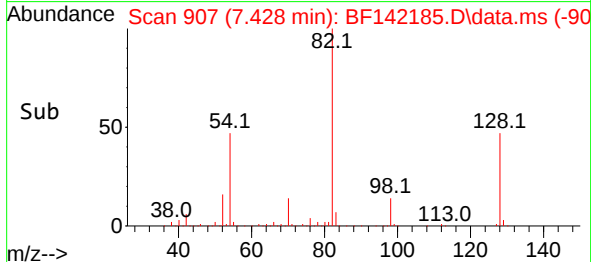
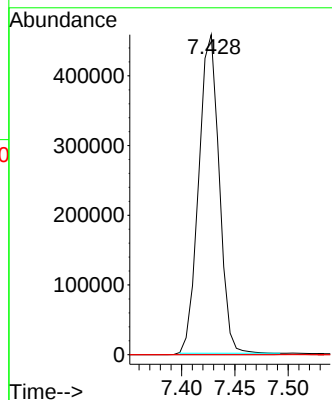
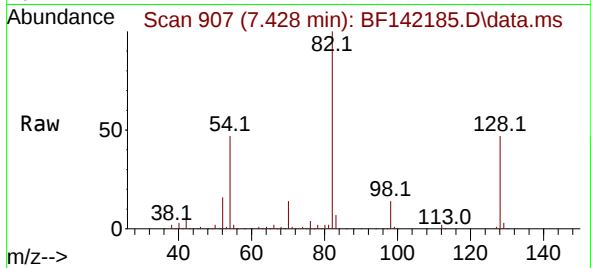




#25
Isophorone
Concen: 40.964 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.276 min
Lab File: BF142185.D
Acq: 31 Mar 2025 17:27

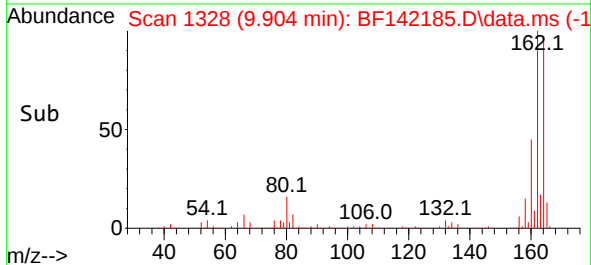
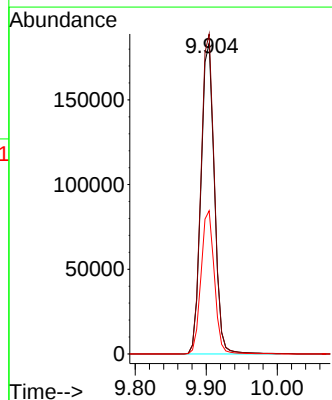
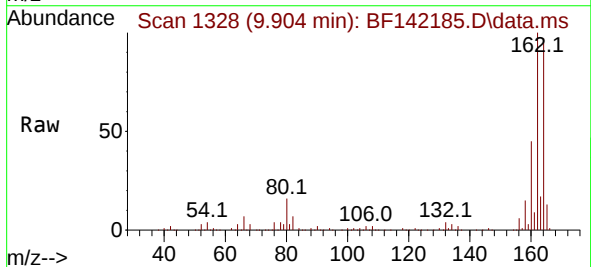
Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-004-01

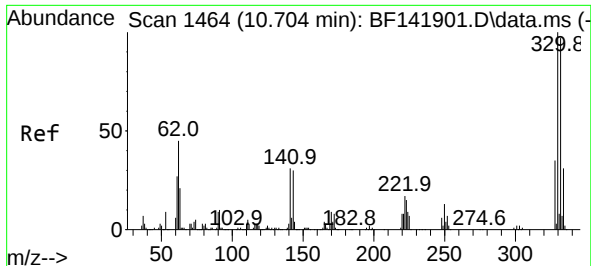
Tgt Ion: 82 Resp: 610647
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142185.D
Acq: 31 Mar 2025 17:27

Tgt Ion: 164 Resp: 241354
Ion Ratio Lower Upper
164 100
162 103.0 81.8 122.6
160 46.1 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 96.590 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.012 min

Lab File: BF142185.D

Acq: 31 Mar 2025 17:27

Instrument :

BNA_F

ClientSampleId :

P001-BBDGA-004-01

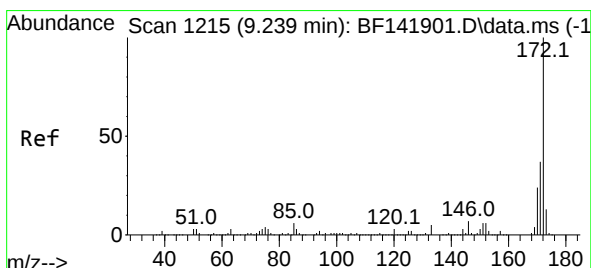
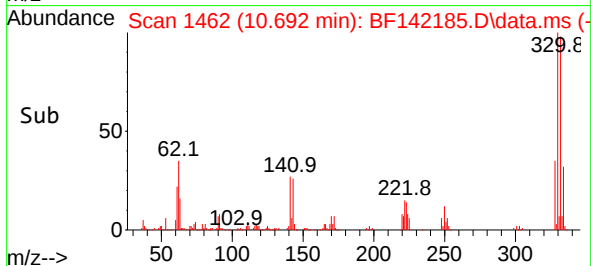
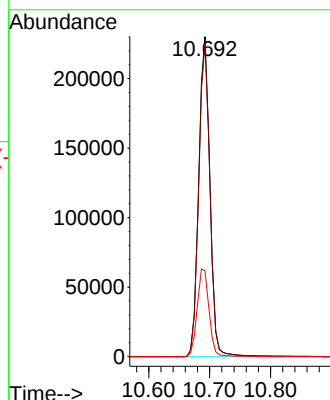
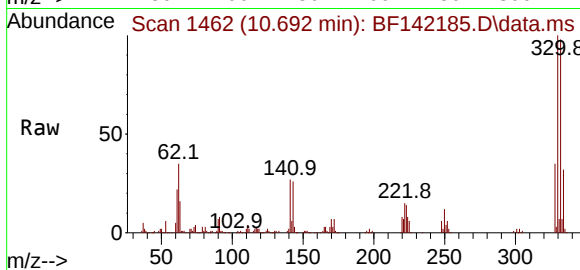
Tgt Ion:330 Resp: 295749

Ion Ratio Lower Upper

330 100

332 97.9 77.6 116.4

141 29.1 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 86.567 ng

RT: 9.222 min Scan# 1212

Delta R.T. -0.018 min

Lab File: BF142185.D

Acq: 31 Mar 2025 17:27

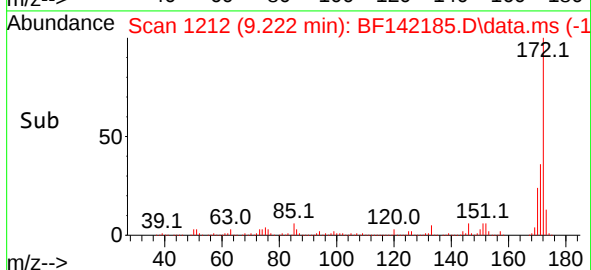
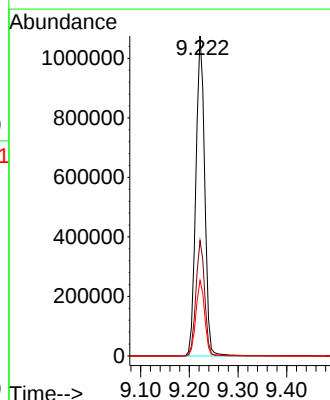
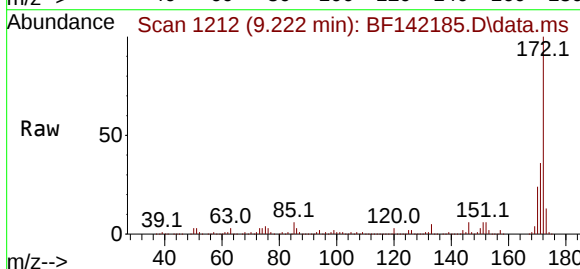
Tgt Ion:172 Resp: 1373830

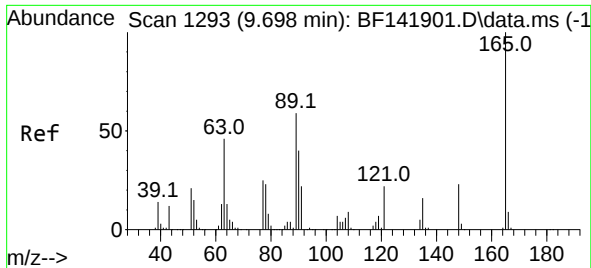
Ion Ratio Lower Upper

172 100

171 36.0 29.3 43.9

170 23.6 19.4 29.0

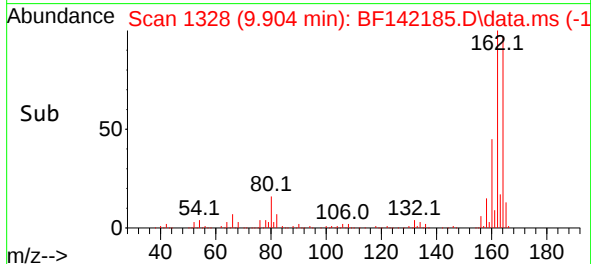
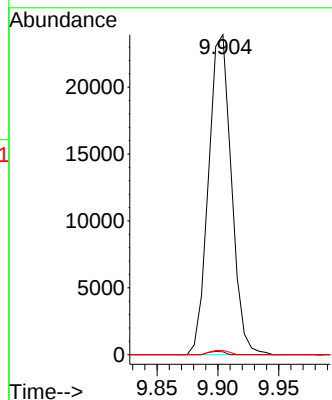
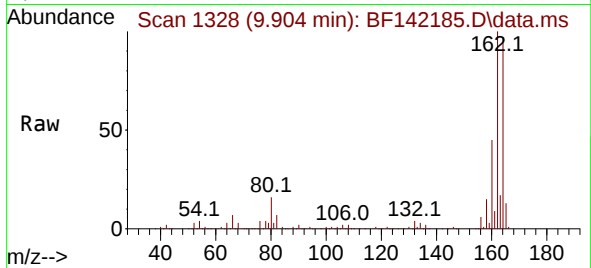




#51
2,6-Dinitrotoluene
Concen: 8.912 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142185.D
Acq: 31 Mar 2025 17:27

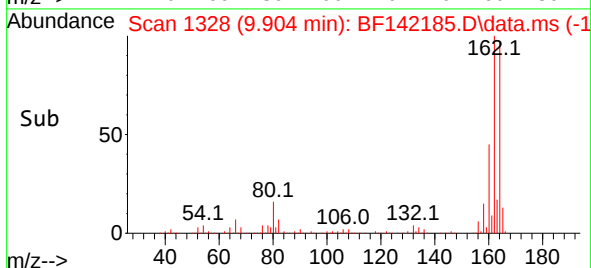
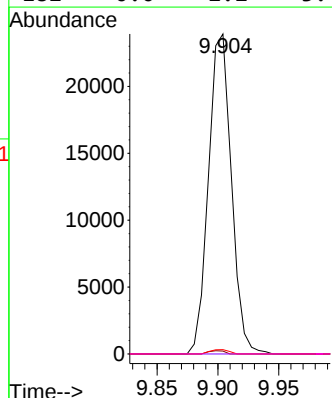
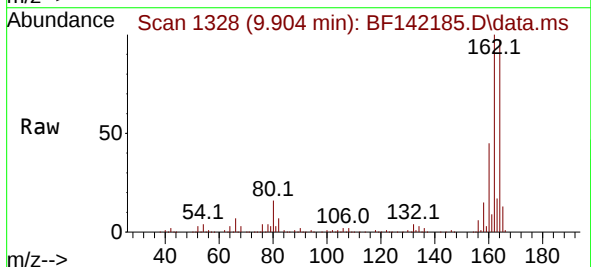
Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-004-01

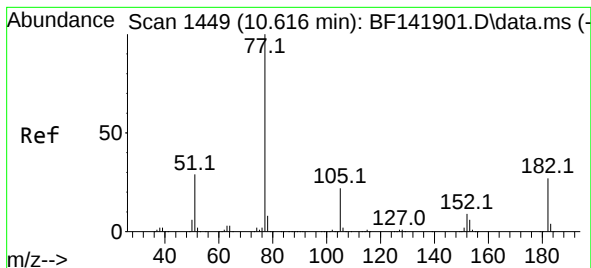
Tgt Ion:165 Resp: 31361
Ion Ratio Lower Upper
165 100
63 0.9 47.0 70.4#
89 1.3 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.823 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF142185.D
Acq: 31 Mar 2025 17:27

Tgt Ion:165 Resp: 31361
Ion Ratio Lower Upper
165 100
63 0.9 35.4 53.2#
89 1.3 56.6 84.8#
182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 2.252 ng

RT: 10.616 min Scan# 1449

Delta R.T. 0.000 min

Lab File: BF142185.D

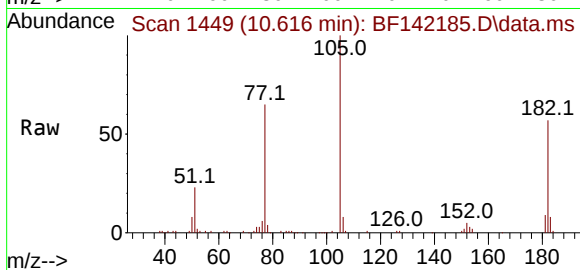
Acq: 31 Mar 2025 17:27

Instrument :

BNA_F

ClientSampleId :

P001-BBDGA-004-01



Tgt Ion: 77 Resp: 35285

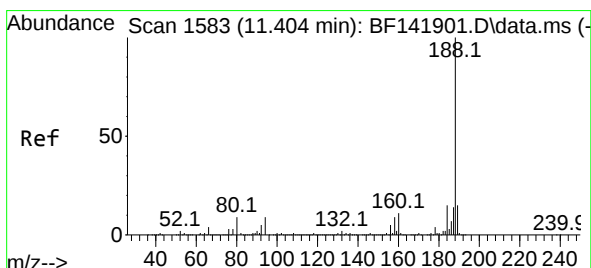
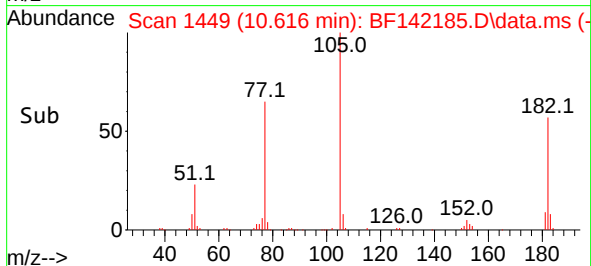
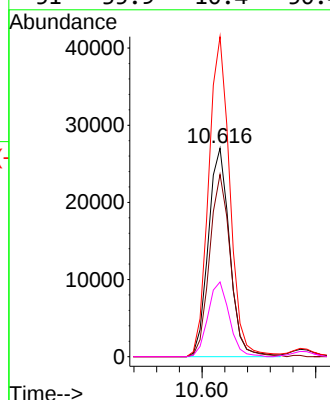
Ion Ratio Lower Upper

77 100

182 87.4 6.6 46.6#

105 153.5 1.3 41.3#

51 35.9 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: BF142185.D

Acq: 31 Mar 2025 17:27

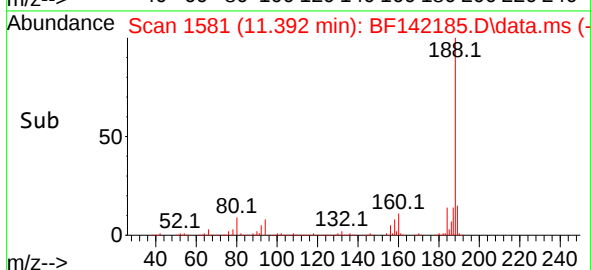
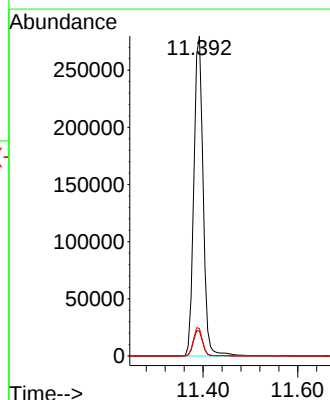
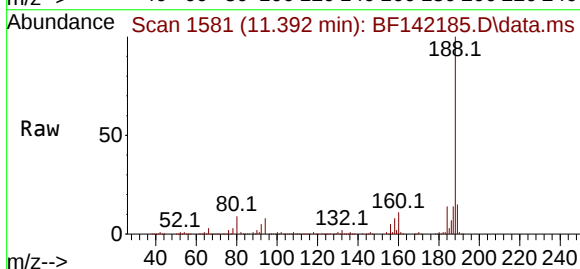
Tgt Ion:188 Resp: 379208

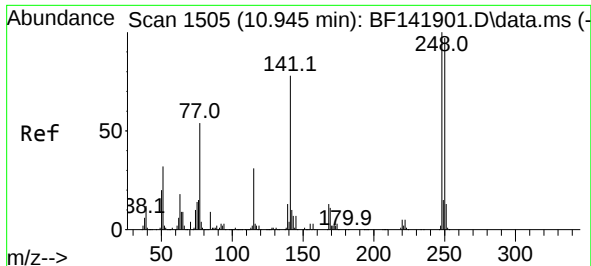
Ion Ratio Lower Upper

188 100

94 7.8 6.8 10.2

80 8.6 7.6 11.4

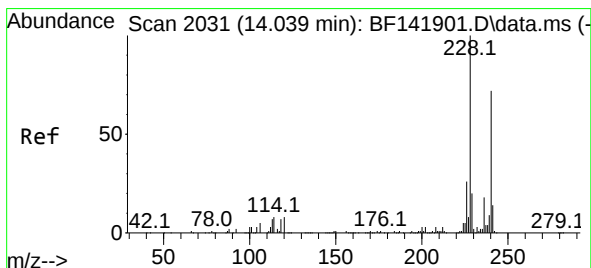
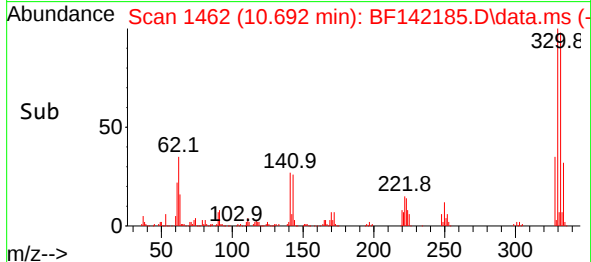
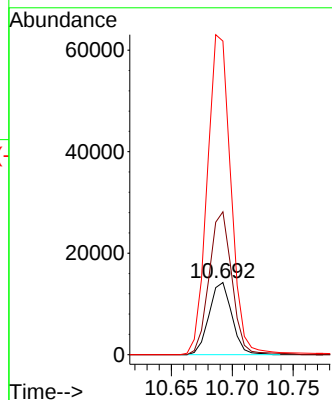
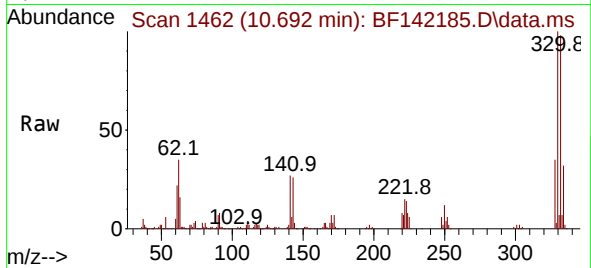




#67
4-Bromophenyl-phenylether
Concen: 3.899 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142185.D
Acq: 31 Mar 2025 17:27

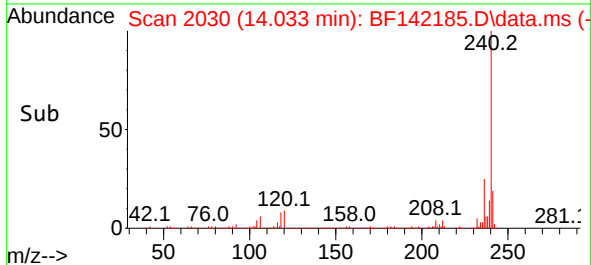
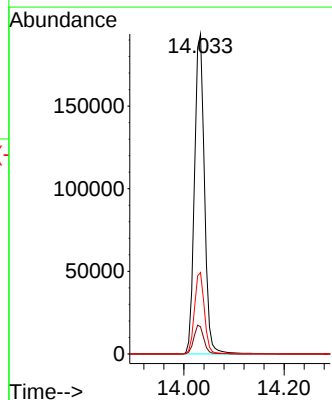
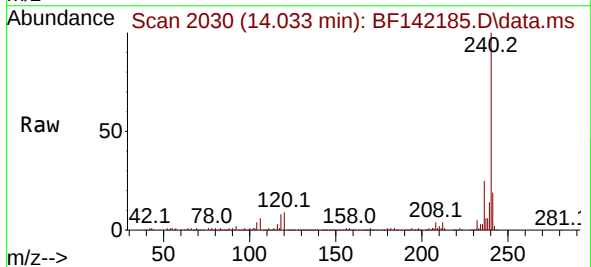
Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-004-01

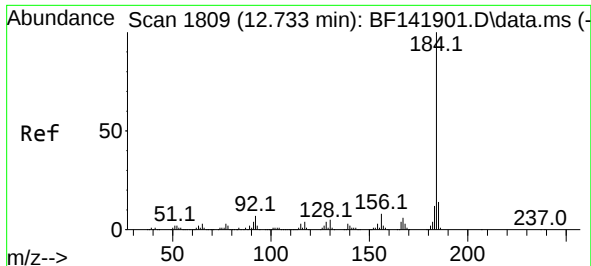
Tgt Ion:248 Resp: 18570
Ion Ratio Lower Upper
248 100
250 198.0 77.8 116.8#
141 434.9 62.6 93.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142185.D
Acq: 31 Mar 2025 17:27

Tgt Ion:240 Resp: 266268
Ion Ratio Lower Upper
240 100
120 8.5 8.4 12.6
236 25.4 20.5 30.7

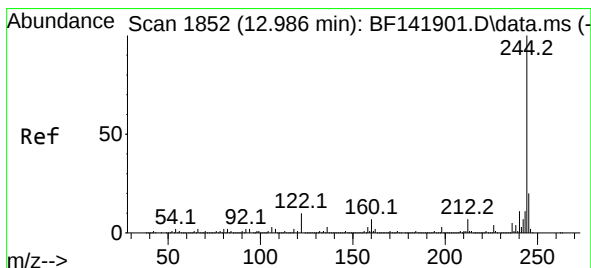
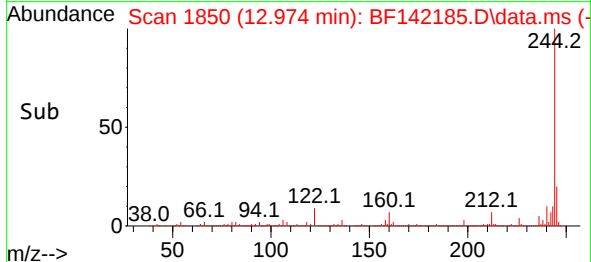
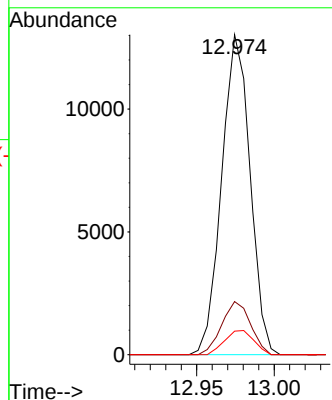
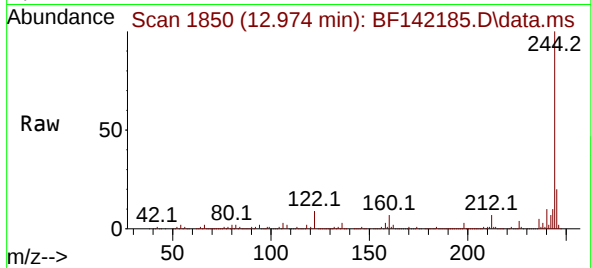




#77
Benzidine
Concen: 4.464 ng
RT: 12.974 min Scan# 1850
Delta R.T. 0.241 min
Lab File: BF142185.D
Acq: 31 Mar 2025 17:27

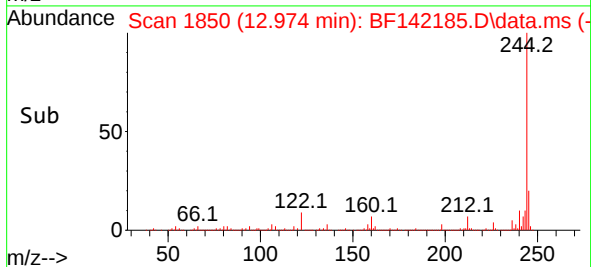
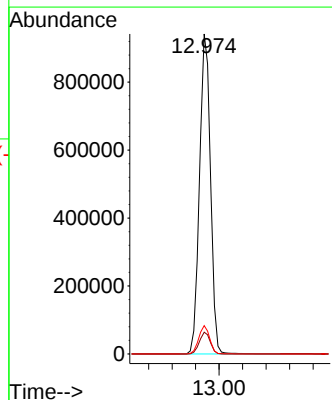
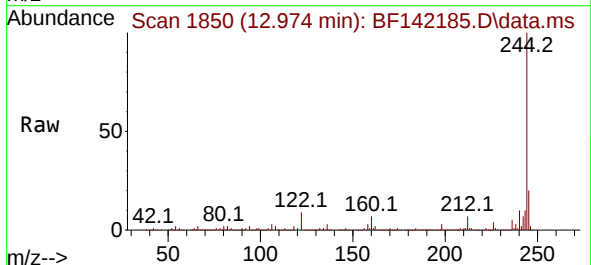
Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-004-01

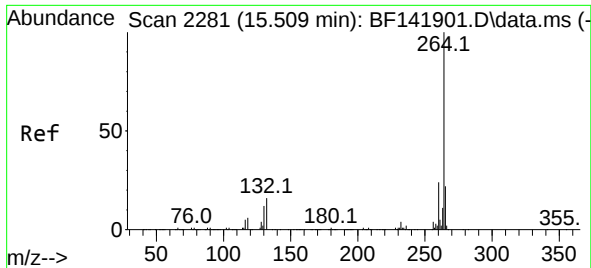
Tgt Ion:184 Resp: 16585
Ion Ratio Lower Upper
184 100
185 16.6 11.5 17.3
183 7.4 9.7 14.5#



#79
Terphenyl-d14
Concen: 67.591 ng
RT: 12.974 min Scan# 1850
Delta R.T. -0.012 min
Lab File: BF142185.D
Acq: 31 Mar 2025 17:27

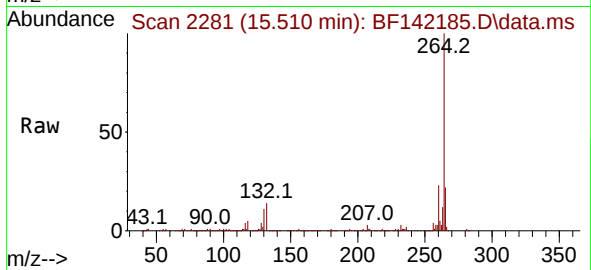
Tgt Ion:244 Resp: 1217312
Ion Ratio Lower Upper
244 100
212 6.8 6.0 9.0
122 8.8 7.7 11.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.510 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF142185.D
 Acq: 31 Mar 2025 17:27

Instrument :
 BNA_F
 ClientSampleId :
 P001-BBDGA-004-01



Tgt Ion:264 Resp: 317833
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.1 28.7
 265 21.6 17.5 26.3

