

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
 Data File : BF142184.D
 Acq On : 31 Mar 2025 16:58
 Operator : RC/JU
 Sample : Q1664-11
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-BBDGA-003-01

Quant Time: Mar 31 20:06:54 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)

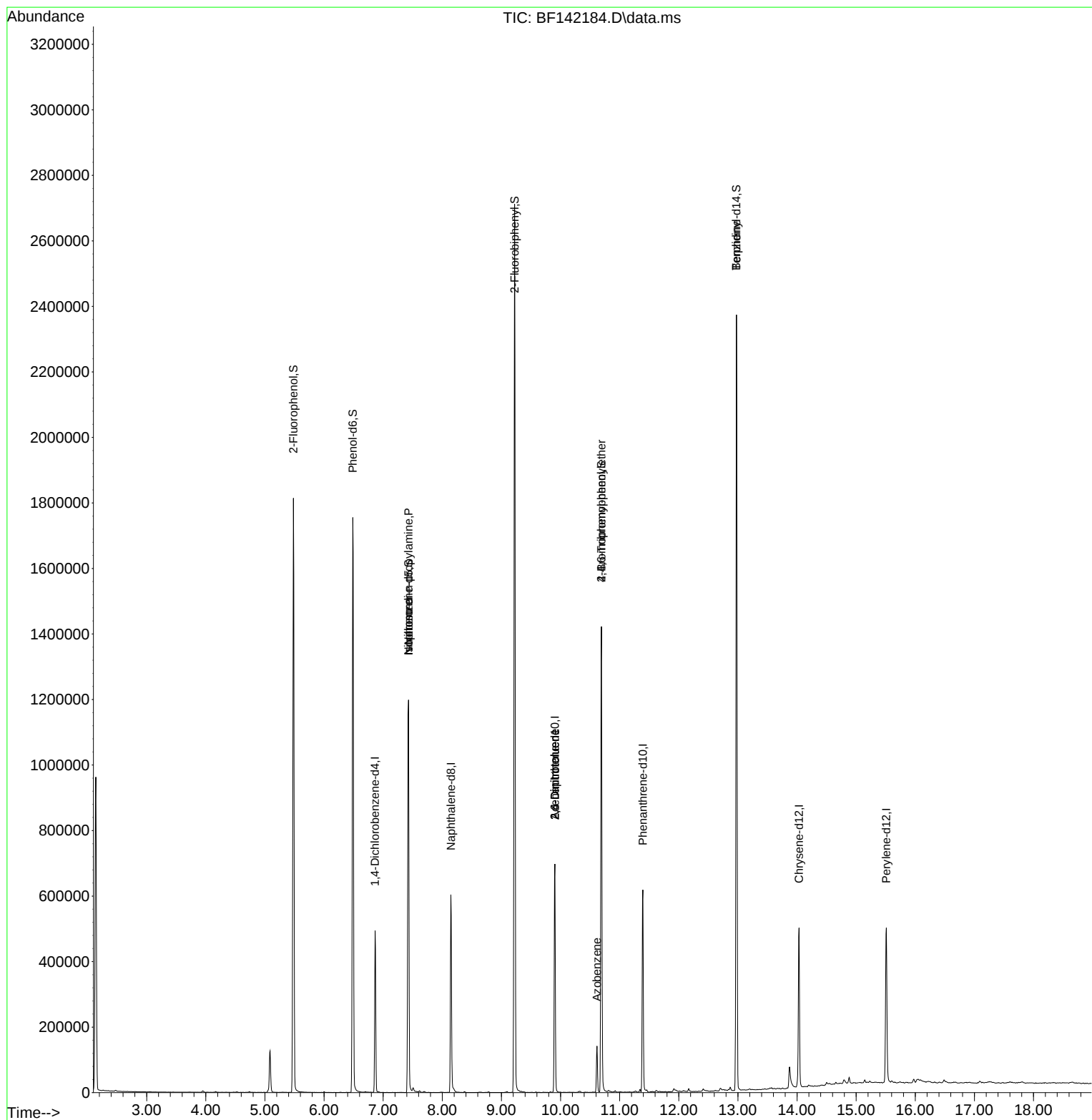
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	105610	20.000	ng	-0.02
21) Naphthalene-d8	8.145	136	411261	20.000	ng	-0.02
39) Acenaphthene-d10	9.904	164	218626	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	344183	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	255104	20.000	ng	0.00
86) Perylene-d12	15.510	264	303171	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	713312	112.725	ng	-0.01
7) Phenol-d6	6.487	99	868537	107.802	ng	-0.02
23) Nitrobenzene-d5	7.428	82	569976	77.994	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	274995	99.149	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	1209148	84.111	ng	-0.02
79) Terphenyl-d14	12.974	244	1168019	67.692	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	74888	14.466	ng	# 78
25) Isophorone	7.428	82	563514	43.622	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	28414	8.914	ng	# 23
57) 2,4-Dinitrotoluene	9.904	165	28414	6.825	ng	# 24
63) Azobenzene	10.616	77	36297	2.557	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	17073	3.950	ng	# 1
77) Benzidine	12.974	184	15564	4.373	ng	# 92

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

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Quant Time: Mar 31 20:06:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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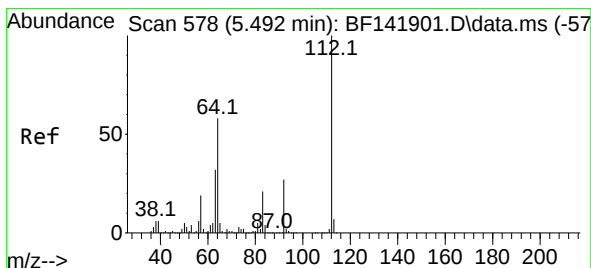
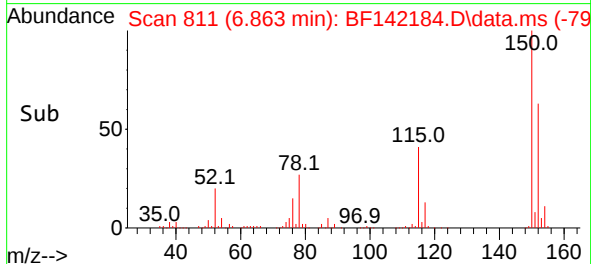
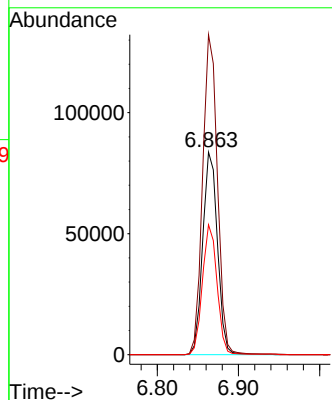
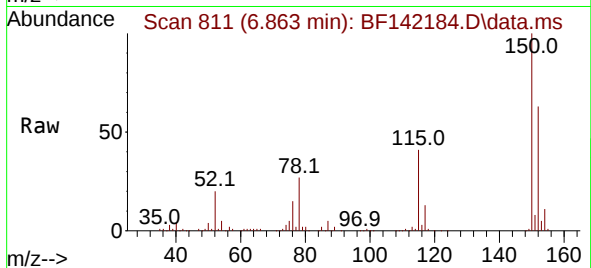




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 814
Delta R.T. -0.018 min
Lab File: BF142184.D
Acq: 31 Mar 2025 16:58

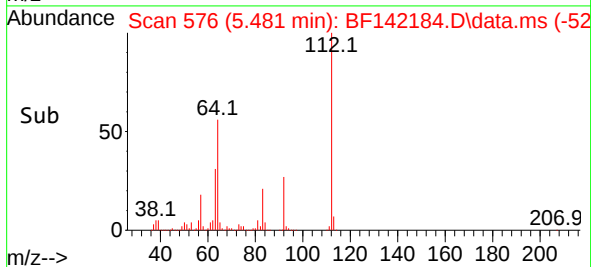
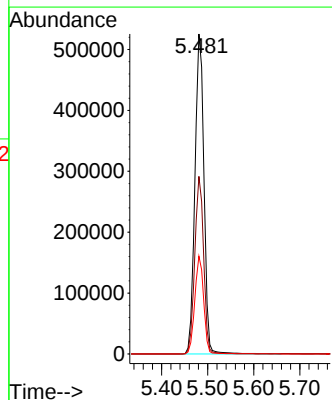
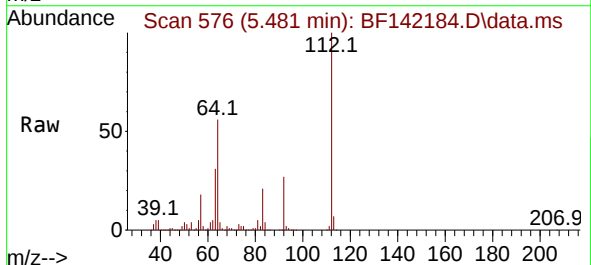
Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-003-01

Tgt Ion:152 Resp: 105610
Ion Ratio Lower Upper
152 100
150 158.0 127.4 191.2
115 64.2 51.9 77.9



#5
2-Fluorophenol
Concen: 112.725 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF142184.D
Acq: 31 Mar 2025 16:58

Tgt Ion:112 Resp: 713312
Ion Ratio Lower Upper
112 100
64 55.5 46.5 69.7
63 30.6 25.4 38.2

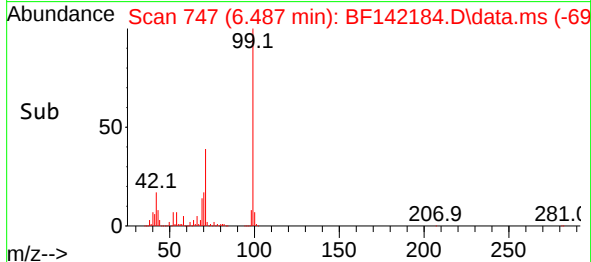
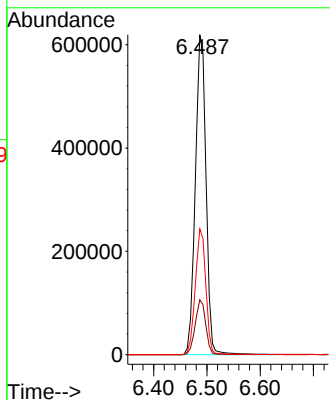
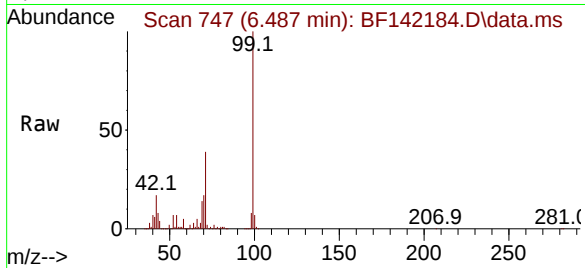




#7
Phenol-d6
Concen: 107.802 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF142184.D
Acq: 31 Mar 2025 16:58

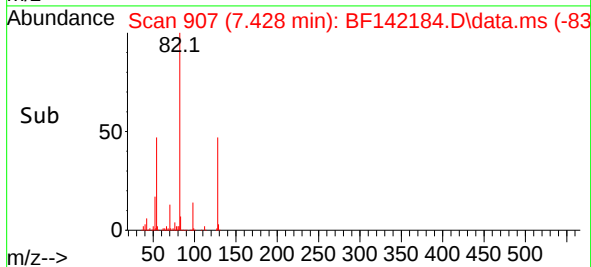
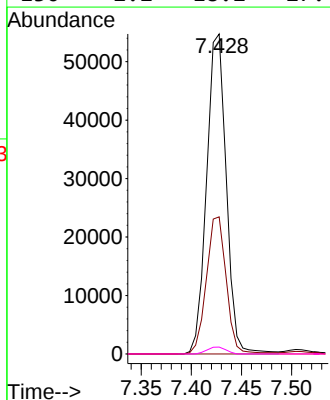
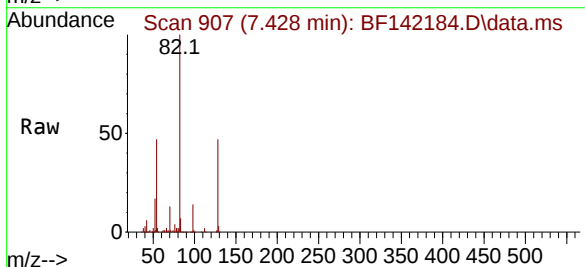
Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-003-01

Tgt Ion: 99 Resp: 868537
Ion Ratio Lower Upper
99 100
42 17.1 14.6 21.8
71 39.3 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 14.466 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.130 min
Lab File: BF142184.D
Acq: 31 Mar 2025 16:58

Tgt Ion: 70 Resp: 74888
Ion Ratio Lower Upper
70 100
42 42.9 41.4 62.0
101 0.0 8.2 12.2#
130 2.2 18.2 27.4#

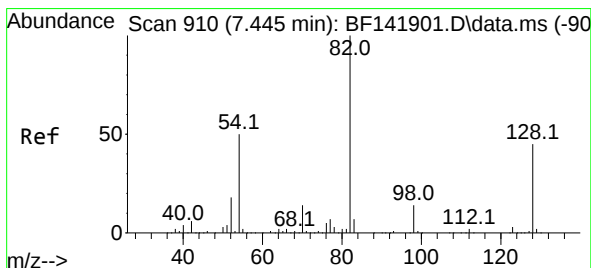
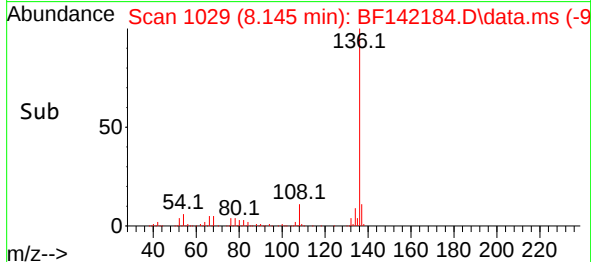
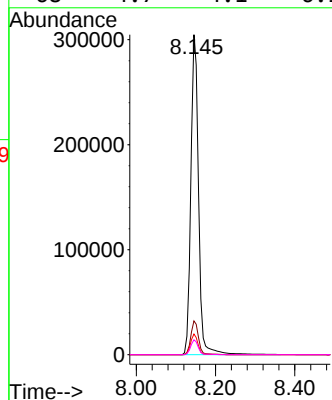
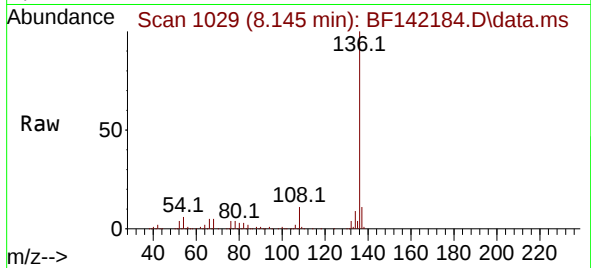




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1032
Delta R.T. -0.018 min
Lab File: BF142184.D
Acq: 31 Mar 2025 16:58

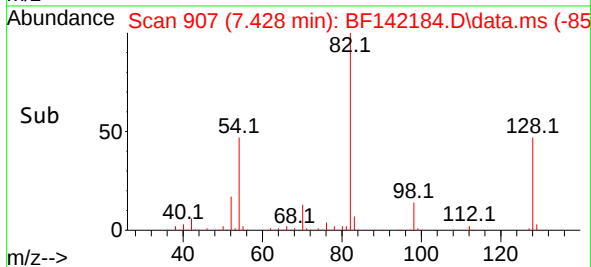
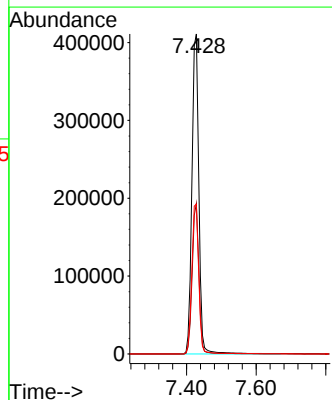
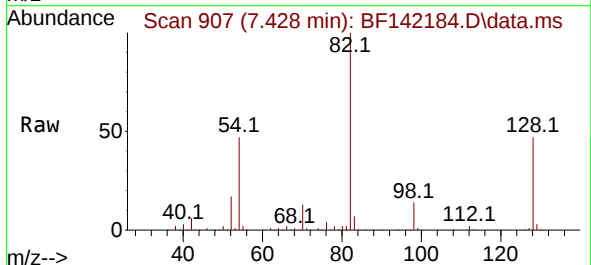
Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-003-01

Tgt Ion:136 Resp: 411261
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 6.4 5.8 8.8
68 4.7 4.1 6.1



#23
Nitrobenzene-d5
Concen: 77.994 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.018 min
Lab File: BF142184.D
Acq: 31 Mar 2025 16:58

Tgt Ion: 82 Resp: 569976
Ion Ratio Lower Upper
82 100
128 47.0 36.0 54.0
54 46.8 39.6 59.4

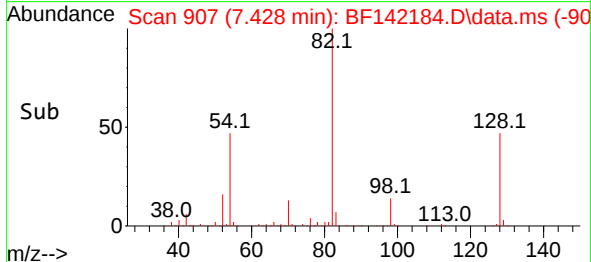
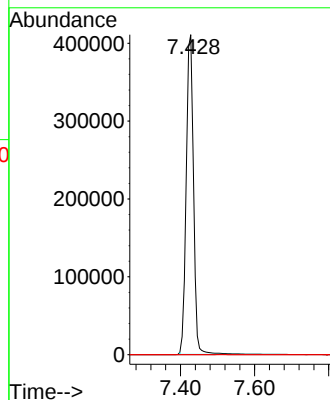
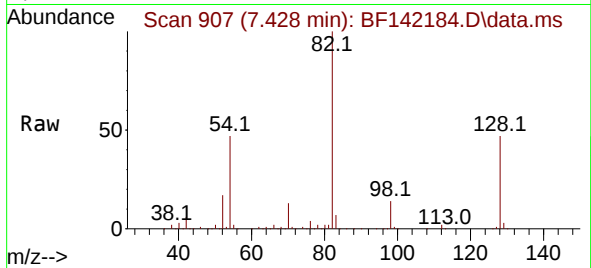




#25
Isophorone
Concen: 43.622 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.276 min
Lab File: BF142184.D
Acq: 31 Mar 2025 16:58

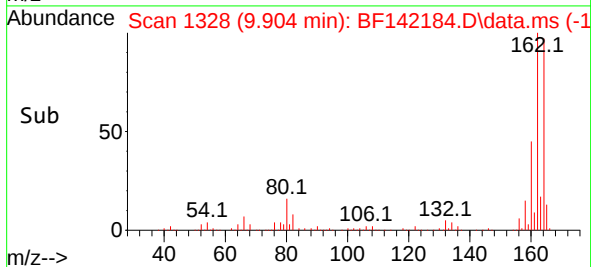
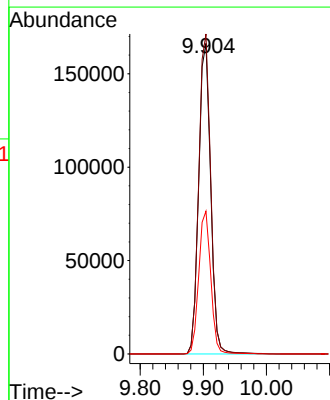
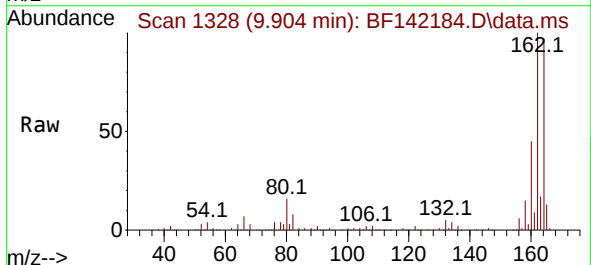
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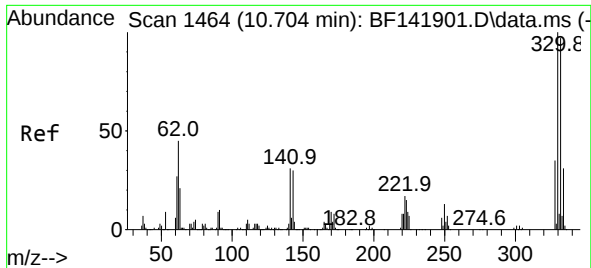
Tgt Ion: 82 Resp: 563514
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142184.D
Acq: 31 Mar 2025 16:58

Tgt Ion: 164 Resp: 218626
Ion Ratio Lower Upper
164 100
162 103.0 81.8 122.6
160 46.0 36.7 55.1

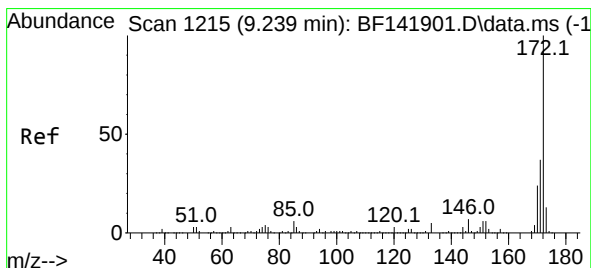
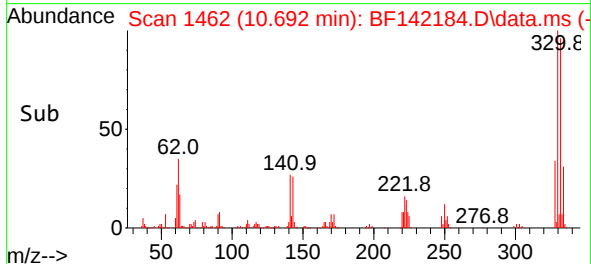
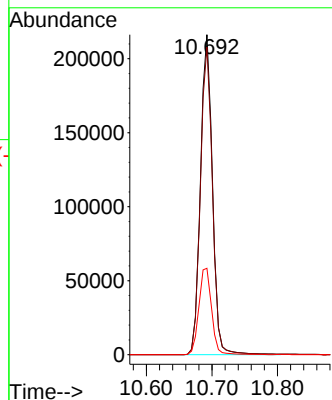
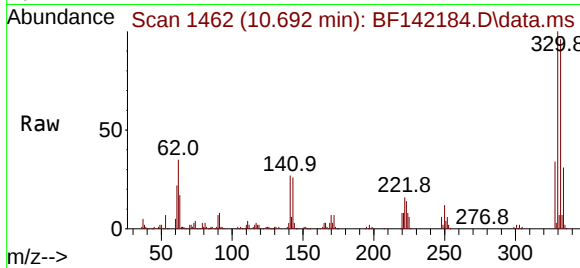




#42
 2,4,6-Tribromophenol
 Concen: 99.149 ng
 RT: 10.692 min Scan# 1462
 Delta R.T. -0.012 min
 Lab File: BF142184.D
 Acq: 31 Mar 2025 16:58

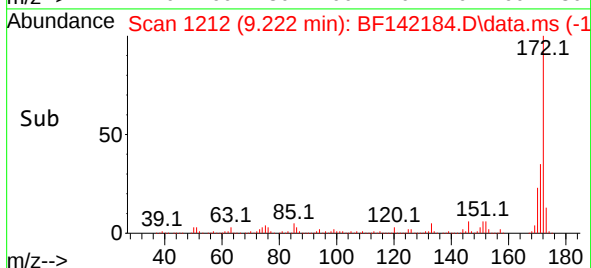
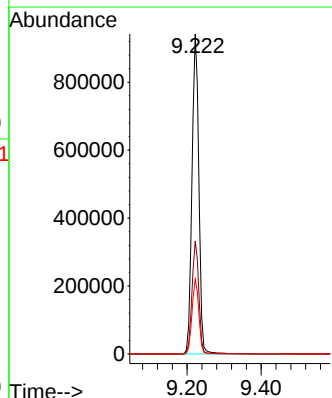
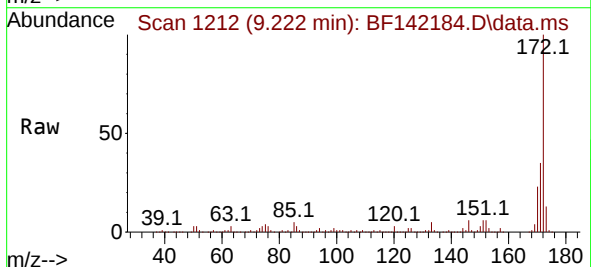
Instrument :
 BNA_F
 ClientSampleId :
 P001-BBDGA-003-01

Tgt Ion: 330 Resp: 274995
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.6 116.4
 141 28.8 24.7 37.1



#45
 2-Fluorobiphenyl
 Concen: 84.111 ng
 RT: 9.222 min Scan# 1212
 Delta R.T. -0.018 min
 Lab File: BF142184.D
 Acq: 31 Mar 2025 16:58

Tgt Ion: 172 Resp: 1209148
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.3 43.9
 170 23.4 19.4 29.0

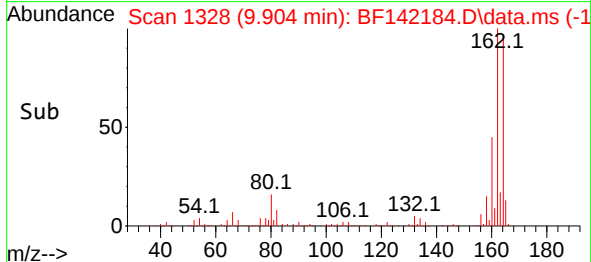
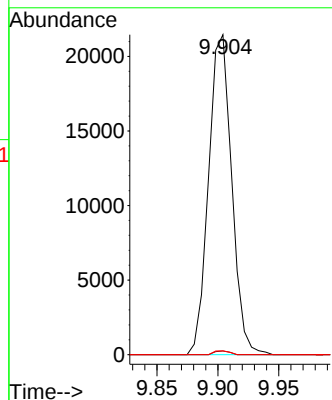
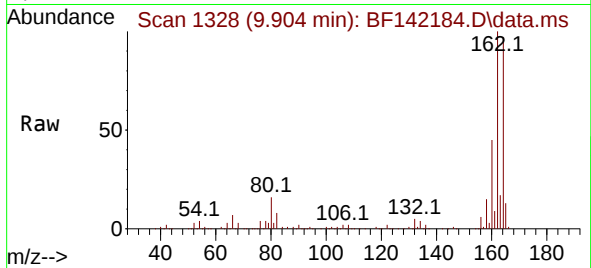




#51
2,6-Dinitrotoluene
Concen: 8.914 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142184.D
Acq: 31 Mar 2025 16:58

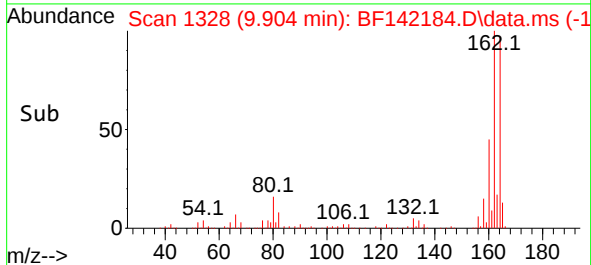
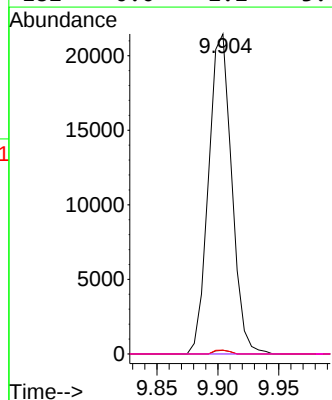
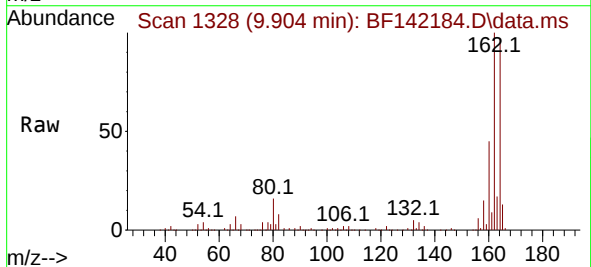
Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-003-01

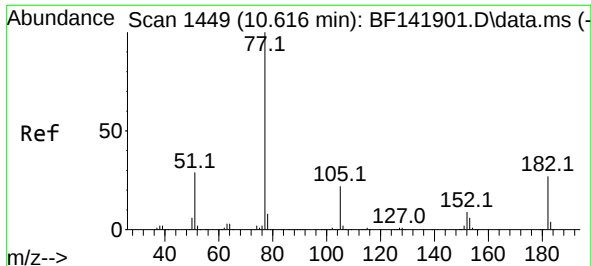
Tgt Ion:165 Resp: 28414
Ion Ratio Lower Upper
165 100
63 1.1 47.0 70.4#
89 1.2 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.825 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF142184.D
Acq: 31 Mar 2025 16:58

Tgt Ion:165 Resp: 28414
Ion Ratio Lower Upper
165 100
63 1.1 35.4 53.2#
89 1.2 56.6 84.8#
182 0.0 2.2 3.4#

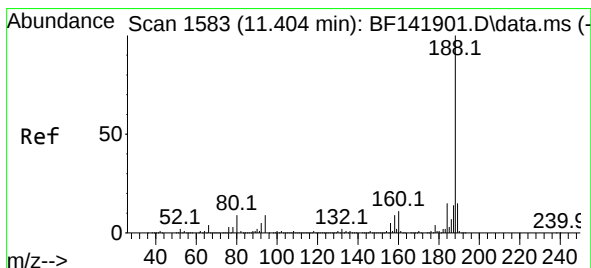
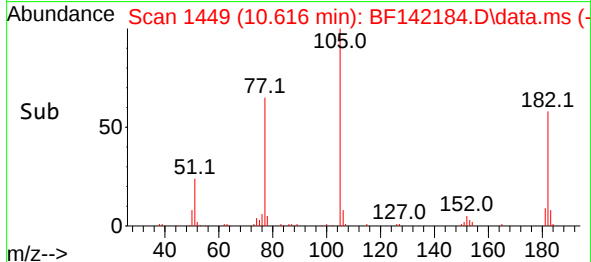
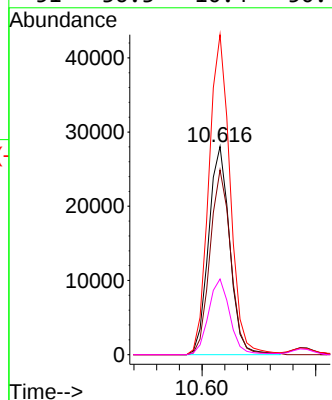
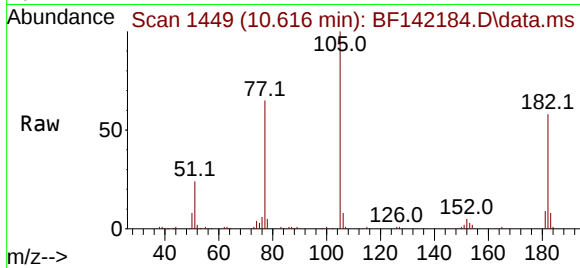




#63
Azobenzene
Concen: 2.557 ng
RT: 10.616 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF142184.D
Acq: 31 Mar 2025 16:58

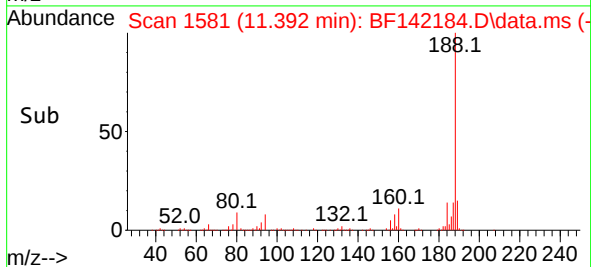
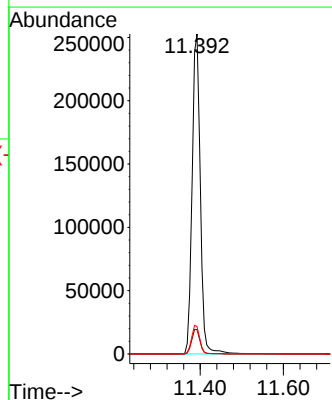
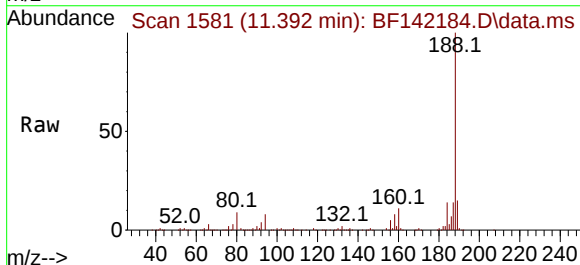
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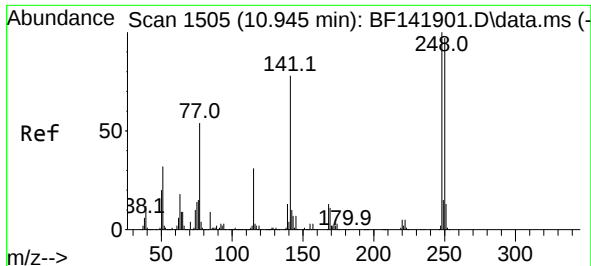
Tgt Ion: 77 Resp: 36297
Ion Ratio Lower Upper
77 100
182 88.7 6.6 46.6#
105 153.7 1.3 41.3#
51 36.3 10.4 50.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF142184.D
Acq: 31 Mar 2025 16:58

Tgt Ion:188 Resp: 344183
Ion Ratio Lower Upper
188 100
94 7.6 6.8 10.2
80 8.6 7.6 11.4

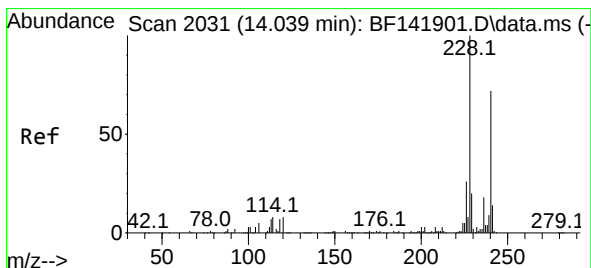
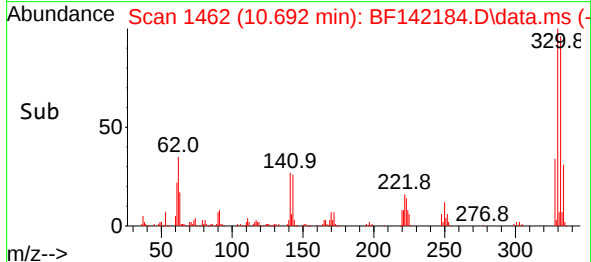
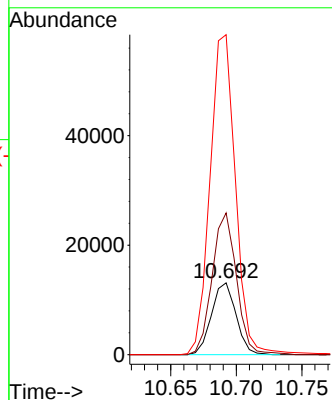
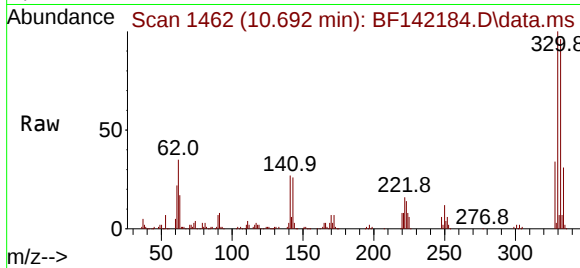




#67
4-Bromophenyl-phenylether
Concen: 3.950 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142184.D
Acq: 31 Mar 2025 16:58

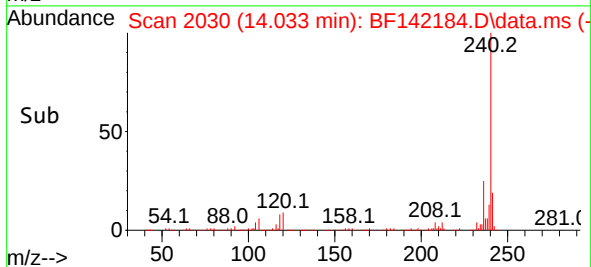
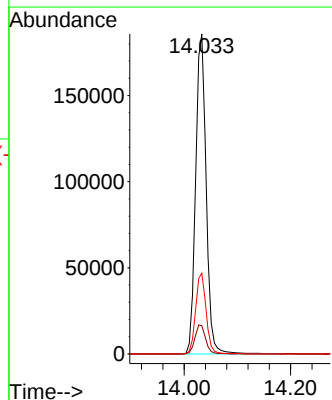
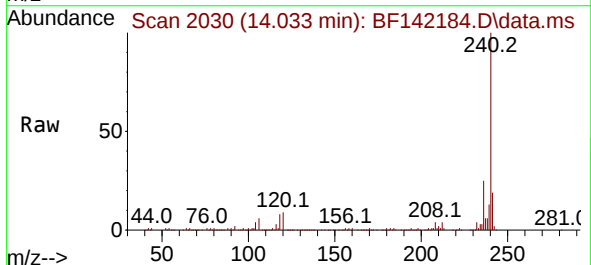
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BNA_F
ClientSampleId :
P001-BBDGA-003-01

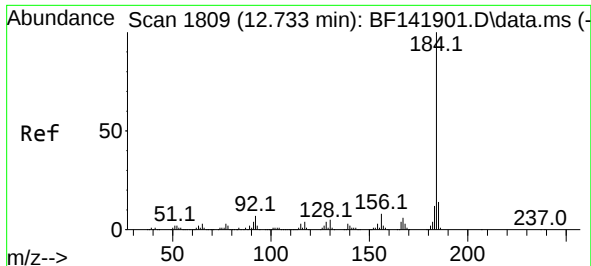
Tgt Ion:248 Resp: 17073
Ion Ratio Lower Upper
248 100
250 197.5 77.8 116.8#
141 445.7 62.6 93.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142184.D
Acq: 31 Mar 2025 16:58

Tgt Ion:240 Resp: 255104
Ion Ratio Lower Upper
240 100
120 8.9 8.4 12.6
236 25.3 20.5 30.7

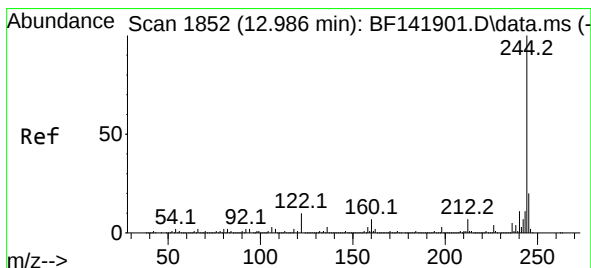
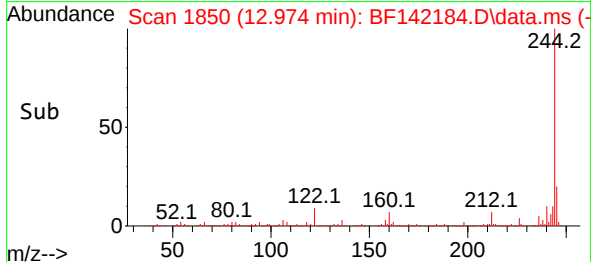
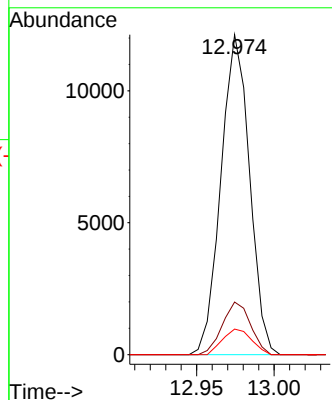
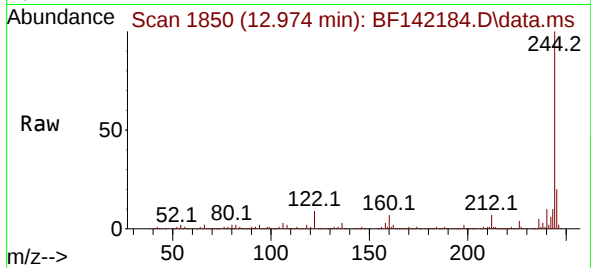




#77
Benzidine
Concen: 4.373 ng
RT: 12.974 min Scan# 1850
Delta R.T. 0.241 min
Lab File: BF142184.D
Acq: 31 Mar 2025 16:58

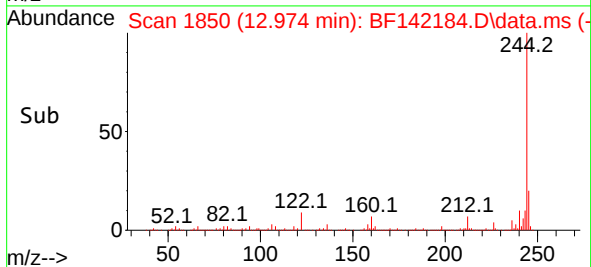
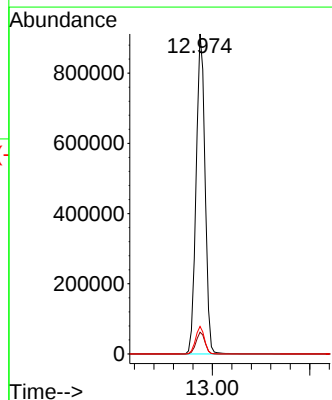
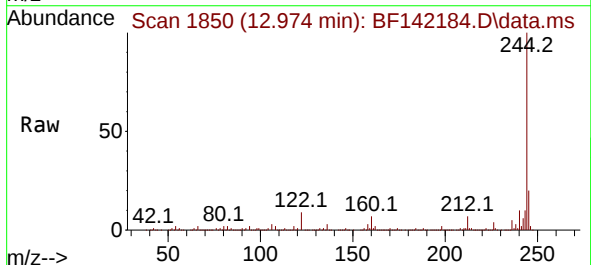
Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-003-01

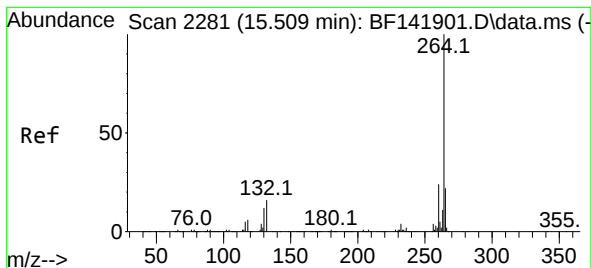
Tgt Ion:184 Resp: 15564
Ion Ratio Lower Upper
184 100
185 16.5 11.5 17.3
183 8.0 9.7 14.5#



#79
Terphenyl-d14
Concen: 67.692 ng
RT: 12.974 min Scan# 1850
Delta R.T. -0.012 min
Lab File: BF142184.D
Acq: 31 Mar 2025 16:58

Tgt Ion:244 Resp: 1168019
Ion Ratio Lower Upper
244 100
212 6.8 6.0 9.0
122 8.6 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: BF142184.D

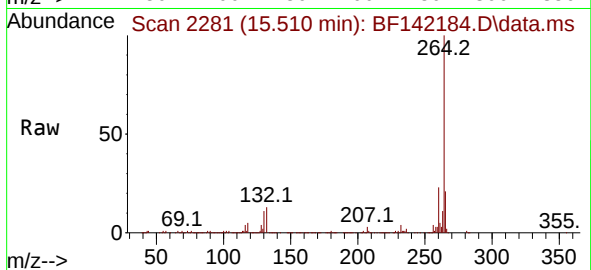
Acq: 31 Mar 2025 16:58

Instrument :

BNA_F

ClientSampleId :

P001-BBDGA-003-01



Tgt Ion:264 Resp: 303171

Ion Ratio Lower Upper

264 100

260 23.0 19.1 28.7

265 21.4 17.5 26.3

