

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
 Data File : BF142182.D
 Acq On : 31 Mar 2025 15:58
 Operator : RC/JU
 Sample : Q1664-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-BBDGA-002-01

Quant Time: Mar 31 16:41:19 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)

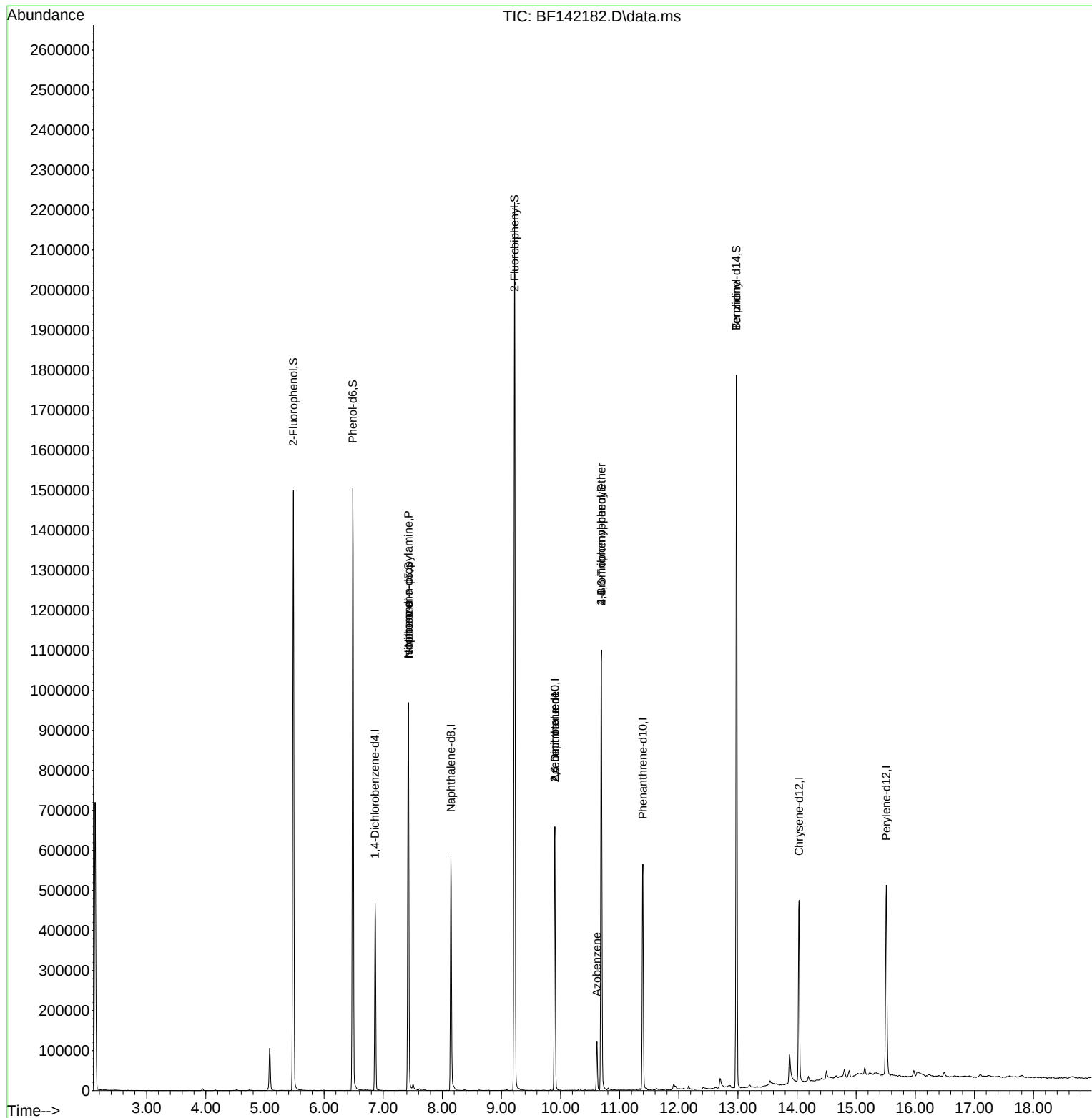
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	101697	20.000	ng	-0.02
21) Naphthalene-d8	8.145	136	394826	20.000	ng	-0.02
39) Acenaphthene-d10	9.904	164	204068	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	311656	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	235202	20.000	ng	0.00
86) Perylene-d12	15.510	264	291072	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	581032	95.354	ng	-0.01
7) Phenol-d6	6.487	99	719822	92.781	ng	-0.02
23) Nitrobenzene-d5	7.428	82	461513	65.781	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	215148	83.105	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	970023	72.291	ng	-0.02
79) Terphenyl-d14	12.974	244	867531	54.532	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	61574	12.351	ng	# 77
25) Isophorone	7.428	82	456487	36.808	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	25986	8.734	ng	# 23
57) 2,4-Dinitrotoluene	9.904	165	25986	6.687	ng	# 24
63) Azobenzene	10.616	77	31502	2.378	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	13114	3.351	ng	# 1
77) Benzidine	12.974	184	12241	3.730	ng	# 92

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

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Instrument :
BNA_F
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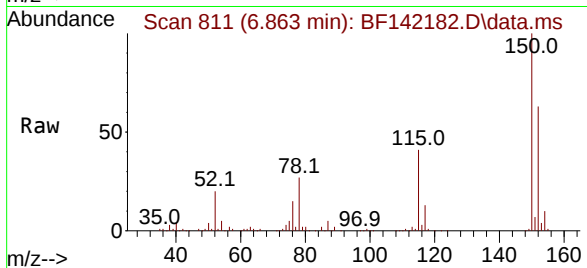
Quant Time: Mar 31 16:41:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration



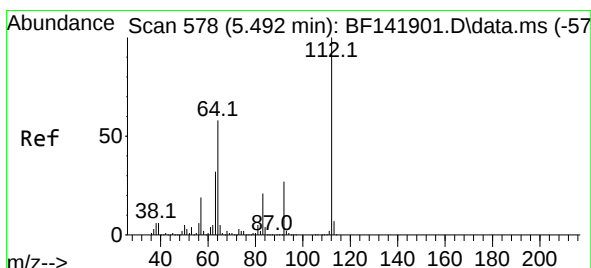
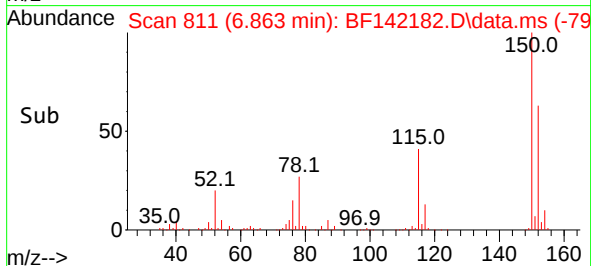
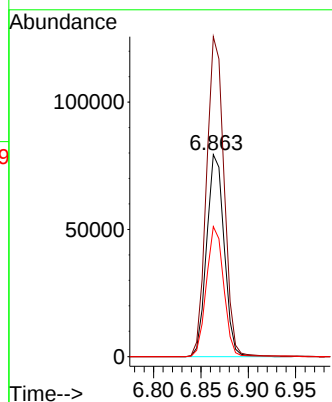


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 814
Delta R.T. -0.018 min
Lab File: BF142182.D
Acq: 31 Mar 2025 15:58

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-002-01

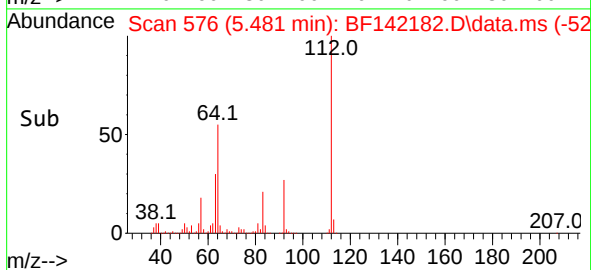
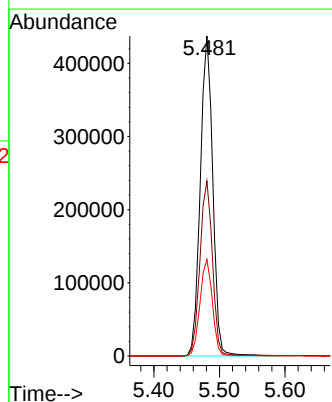
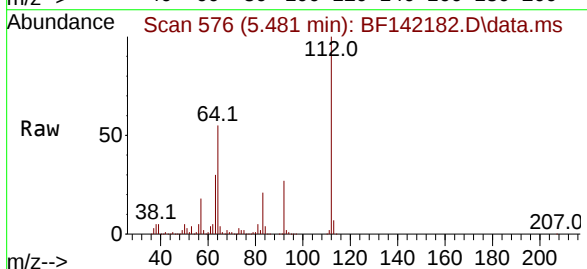


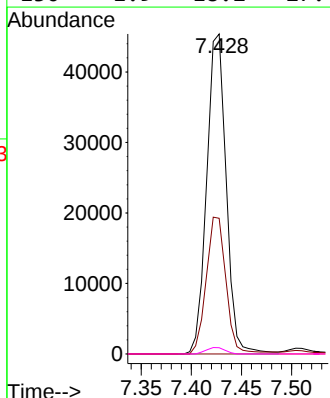
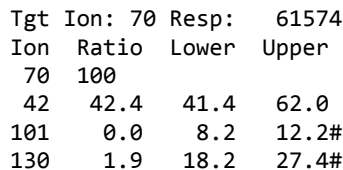
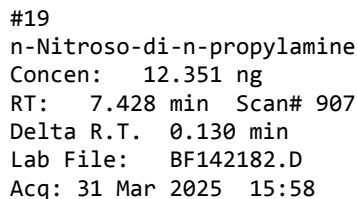
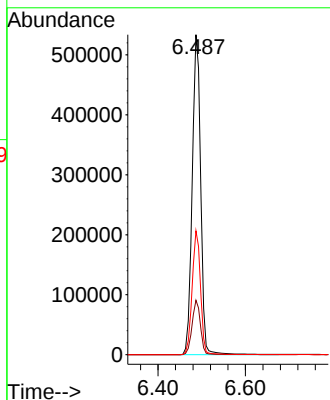
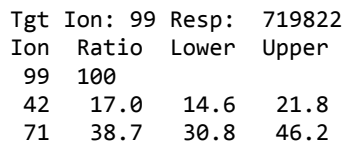
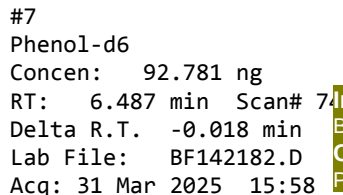
Tgt Ion:152 Resp: 101697
Ion Ratio Lower Upper
152 100
150 158.4 127.4 191.2
115 64.4 51.9 77.9



#5
2-Fluorophenol
Concen: 95.354 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF142182.D
Acq: 31 Mar 2025 15:58

Tgt Ion:112 Resp: 581032
Ion Ratio Lower Upper
112 100
64 54.7 46.5 69.7
63 30.1 25.4 38.2



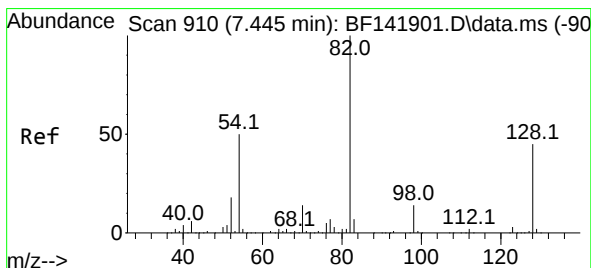
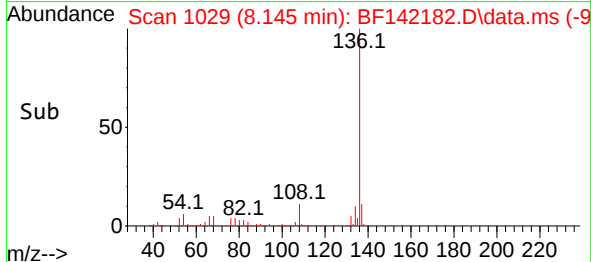
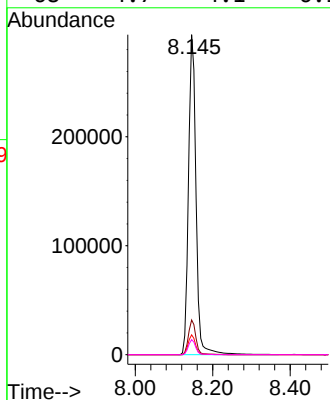
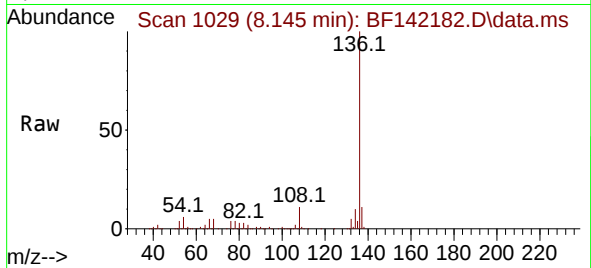




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1032
Delta R.T. -0.018 min
Lab File: BF142182.D
Acq: 31 Mar 2025 15:58

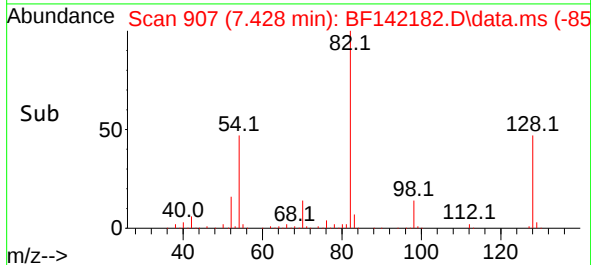
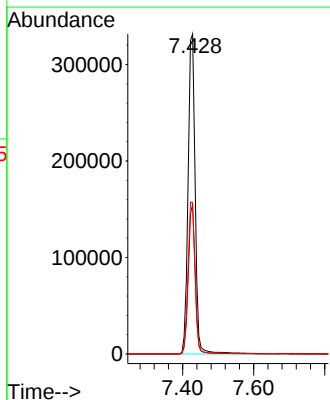
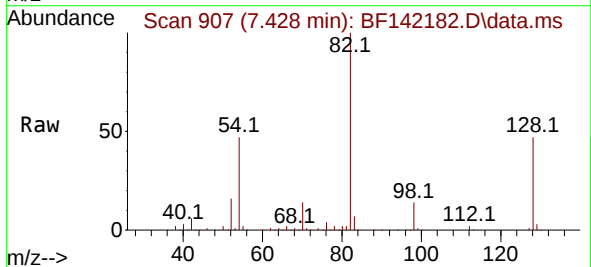
Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-002-01

Tgt Ion:	136	Resp:	394826
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	6.2	5.8	8.8
68	4.7	4.1	6.1



#23
Nitrobenzene-d5
Concen: 65.781 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.018 min
Lab File: BF142182.D
Acq: 31 Mar 2025 15:58

Tgt Ion:	82	Resp:	461513
Ion	Ratio	Lower	Upper
82	100		
128	46.6	36.0	54.0
54	47.2	39.6	59.4

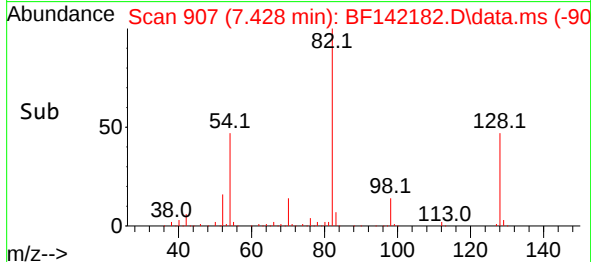
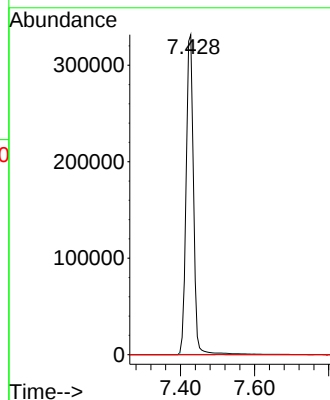
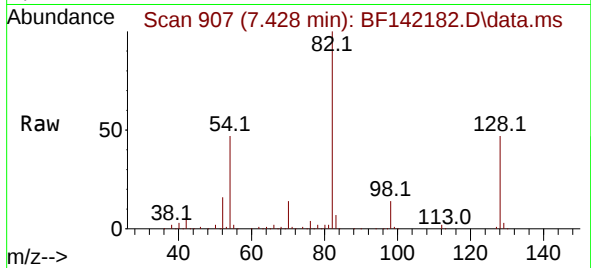




#25
Isophorone
Concen: 36.808 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.276 min
Lab File: BF142182.D
Acq: 31 Mar 2025 15:58

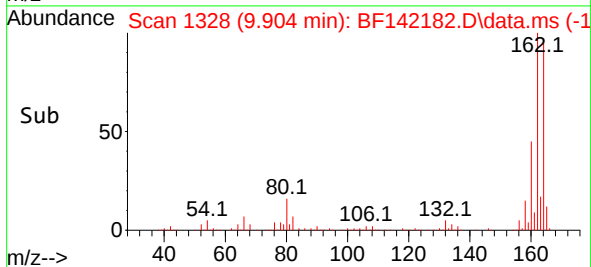
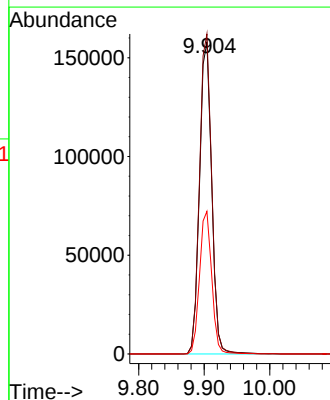
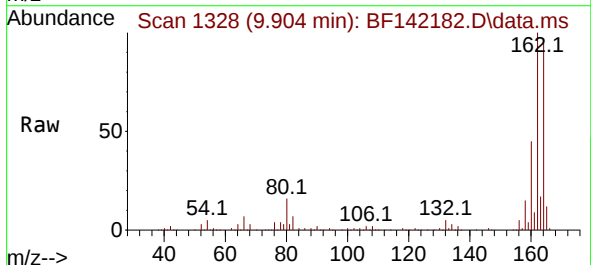
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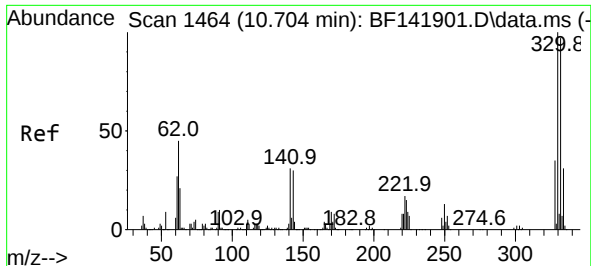
Tgt Ion: 82 Resp: 456487
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142182.D
Acq: 31 Mar 2025 15:58

Tgt Ion: 164 Resp: 204068
Ion Ratio Lower Upper
164 100
162 102.6 81.8 122.6
160 45.7 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 83.105 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.012 min

Lab File: BF142182.D

Acq: 31 Mar 2025 15:58

Instrument :

BNA_F

ClientSampleId :

P001-BBDGA-002-01

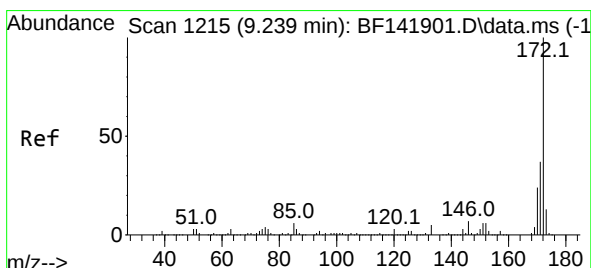
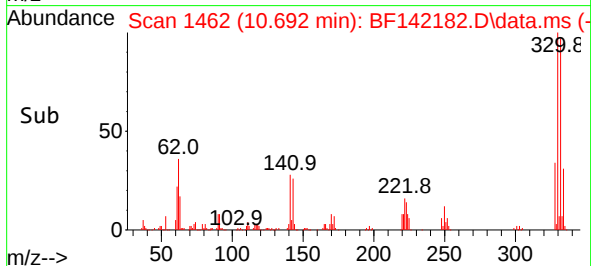
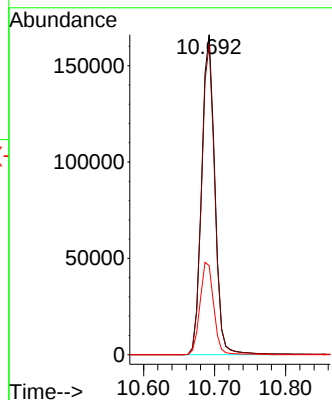
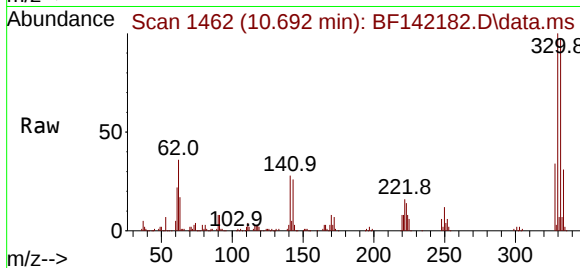
Tgt Ion:330 Resp: 215148

Ion Ratio Lower Upper

330 100

332 97.3 77.6 116.4

141 30.1 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 72.291 ng

RT: 9.222 min Scan# 1212

Delta R.T. -0.018 min

Lab File: BF142182.D

Acq: 31 Mar 2025 15:58

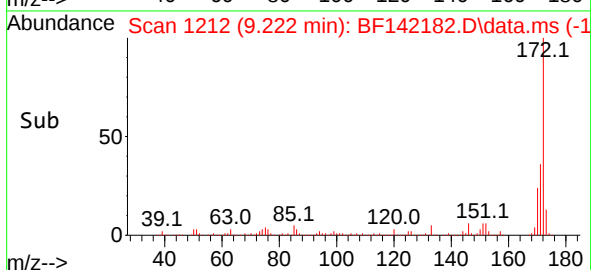
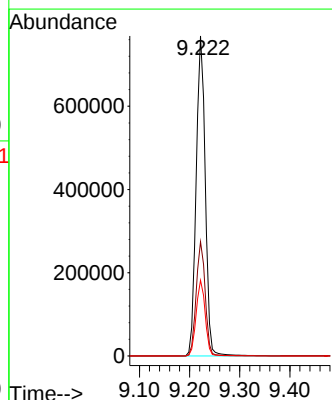
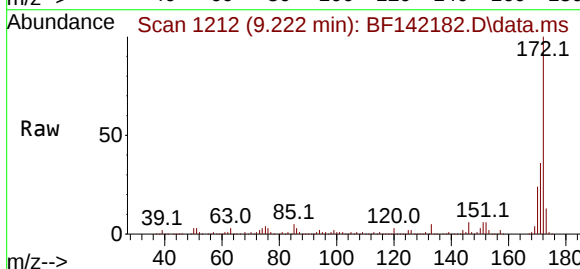
Tgt Ion:172 Resp: 970023

Ion Ratio Lower Upper

172 100

171 35.7 29.3 43.9

170 23.6 19.4 29.0

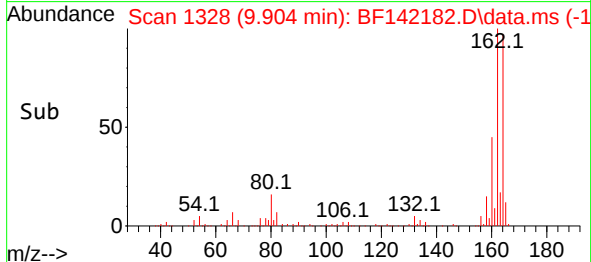
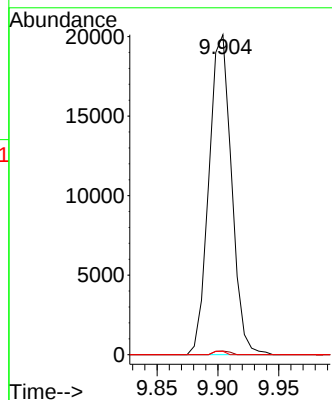
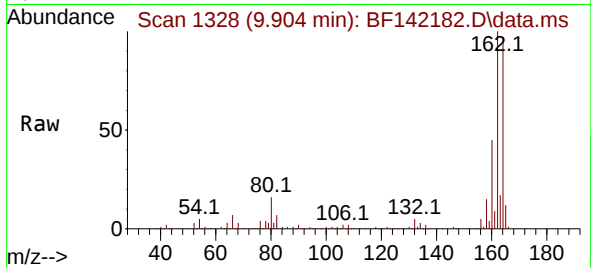




#51
2,6-Dinitrotoluene
Concen: 8.734 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142182.D
Acq: 31 Mar 2025 15:58

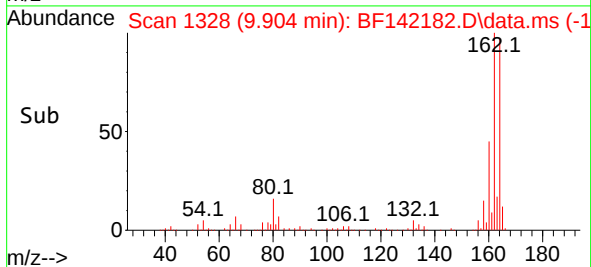
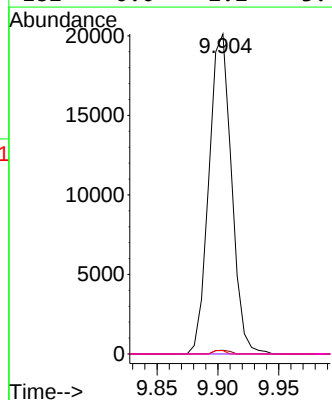
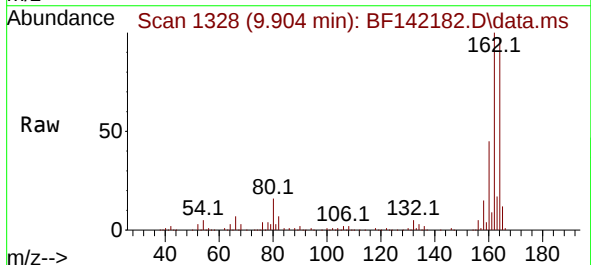
Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-002-01

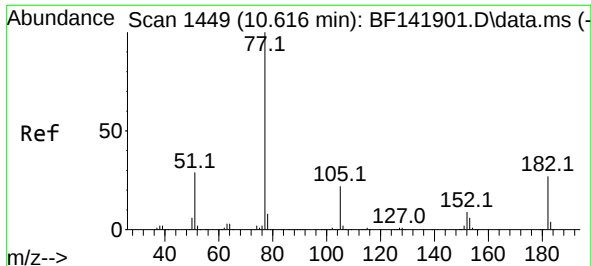
Tgt Ion:165 Resp: 25986
Ion Ratio Lower Upper
165 100
63 1.2 47.0 70.4#
89 1.0 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.687 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF142182.D
Acq: 31 Mar 2025 15:58

Tgt Ion:165 Resp: 25986
Ion Ratio Lower Upper
165 100
63 1.2 35.4 53.2#
89 1.0 56.6 84.8#
182 0.0 2.2 3.4#

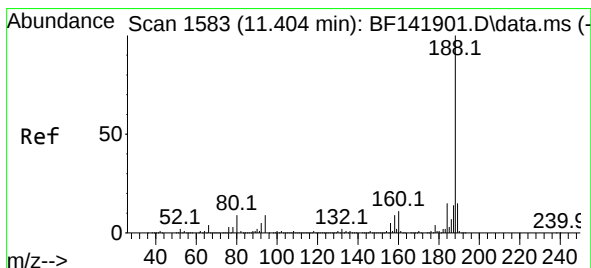
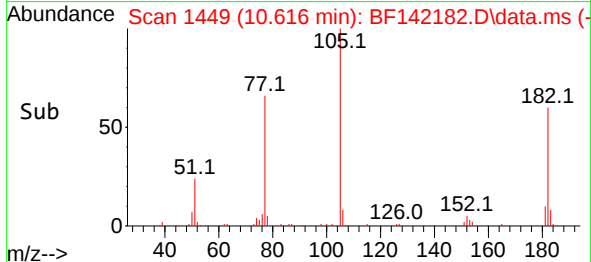
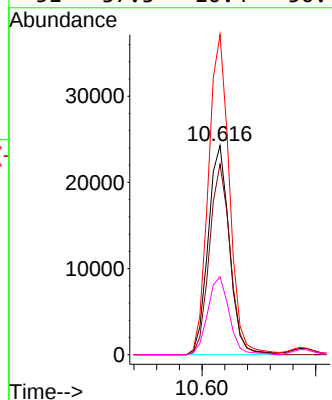
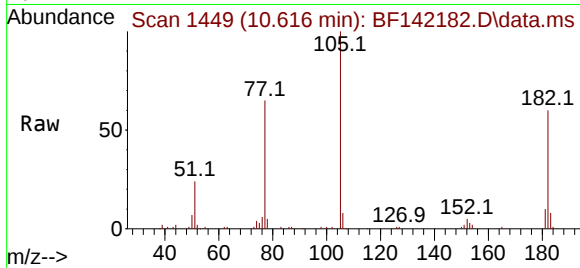




#63
Azobenzene
Concen: 2.378 ng
RT: 10.616 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF142182.D
Acq: 31 Mar 2025 15:58

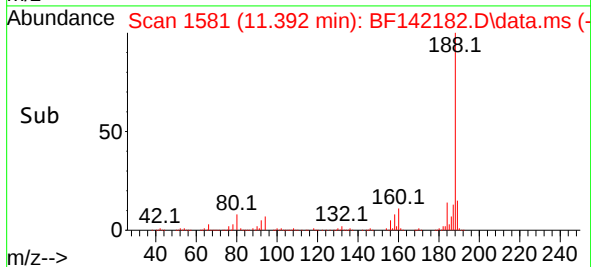
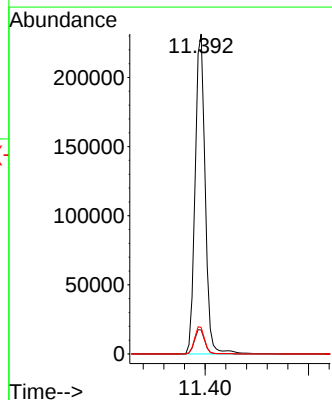
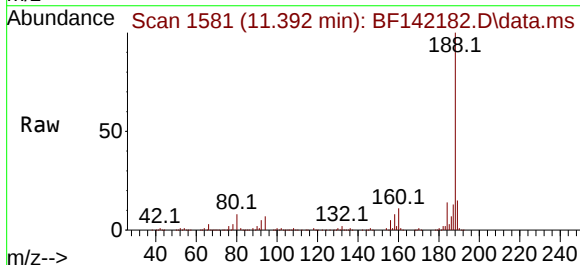
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P001-BBDGA-002-01

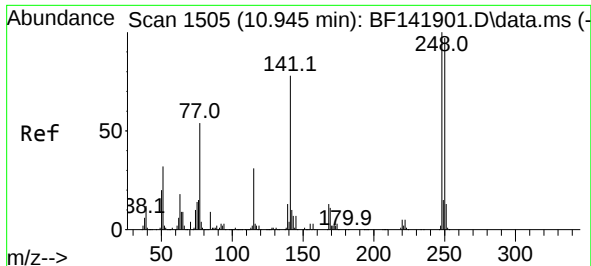
Tgt Ion: 77 Resp: 31502
Ion Ratio Lower Upper
77 100
182 91.1 6.6 46.6#
105 153.0 1.3 41.3#
51 37.3 10.4 50.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF142182.D
Acq: 31 Mar 2025 15:58

Tgt Ion: 188 Resp: 311656
Ion Ratio Lower Upper
188 100
94 7.5 6.8 10.2
80 8.3 7.6 11.4

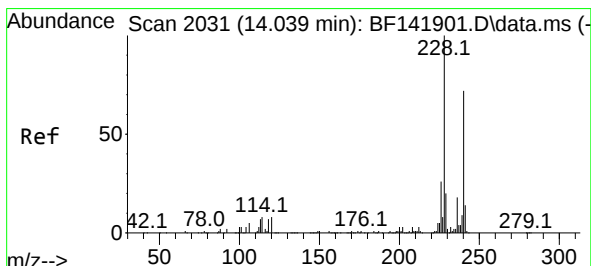
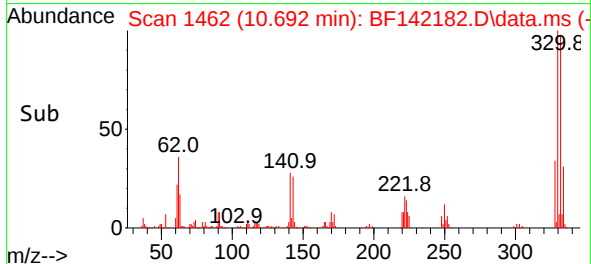
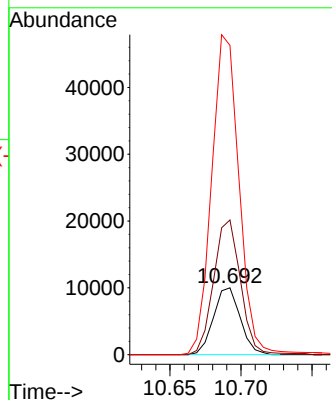
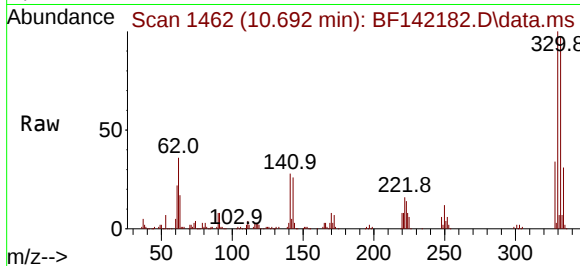




#67
4-Bromophenyl-phenylether
Concen: 3.351 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142182.D
Acq: 31 Mar 2025 15:58

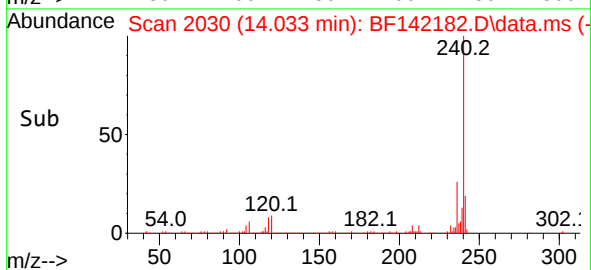
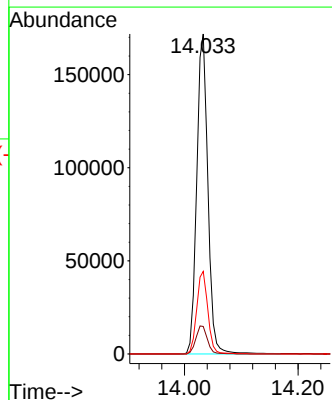
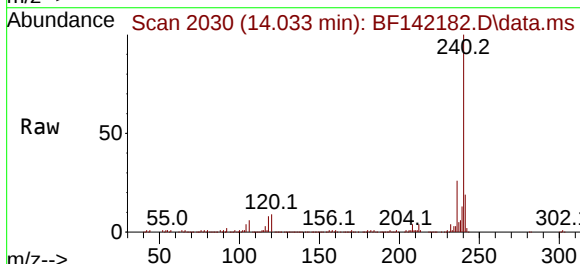
Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-002-01

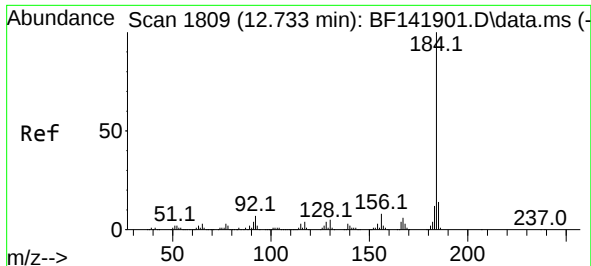
Tgt Ion:248 Resp: 13114
Ion Ratio Lower Upper
248 100
250 201.6 77.8 116.8#
141 462.8 62.6 93.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142182.D
Acq: 31 Mar 2025 15:58

Tgt Ion:240 Resp: 235202
Ion Ratio Lower Upper
240 100
120 8.6 8.4 12.6
236 25.8 20.5 30.7

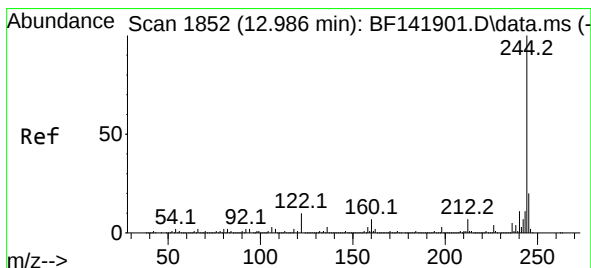
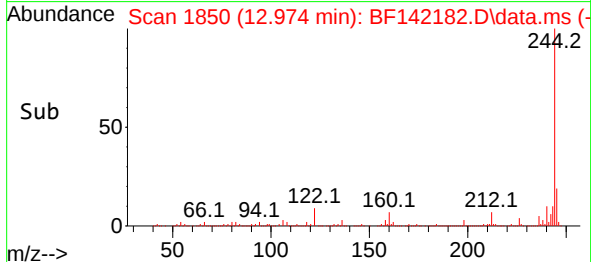
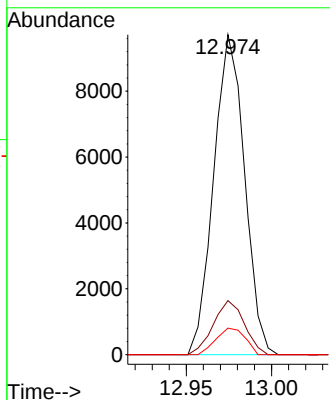
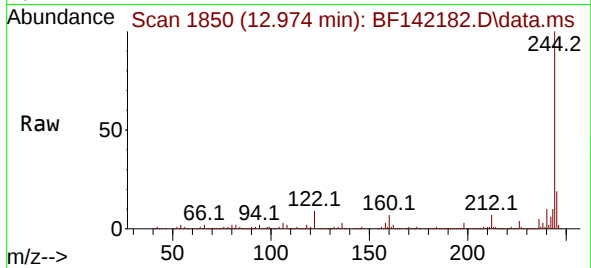




#77
Benzidine
Concen: 3.730 ng
RT: 12.974 min Scan# 1850
Delta R.T. 0.241 min
Lab File: BF142182.D
Acq: 31 Mar 2025 15:58

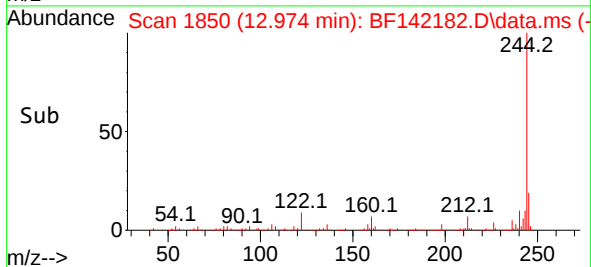
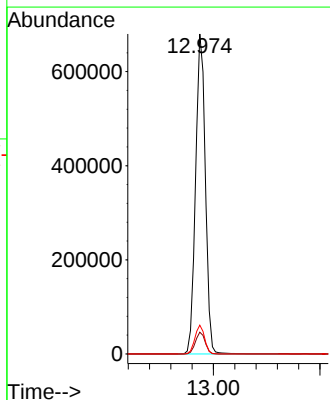
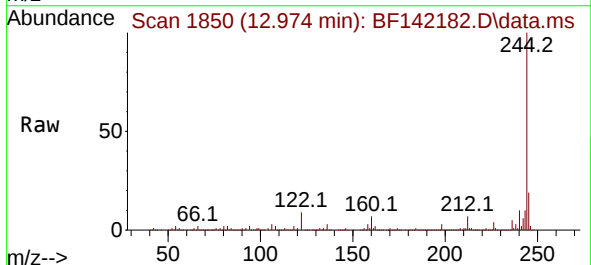
Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-002-01

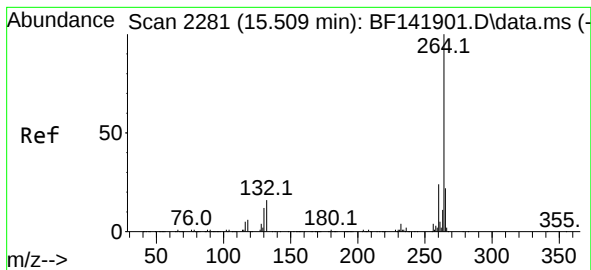
Tgt Ion:184 Resp: 12241
Ion Ratio Lower Upper
184 100
185 16.9 11.5 17.3
183 8.3 9.7 14.5#



#79
Terphenyl-d14
Concen: 54.532 ng
RT: 12.974 min Scan# 1850
Delta R.T. -0.012 min
Lab File: BF142182.D
Acq: 31 Mar 2025 15:58

Tgt Ion:244 Resp: 867531
Ion Ratio Lower Upper
244 100
212 6.8 6.0 9.0
122 9.0 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: BF142182.D

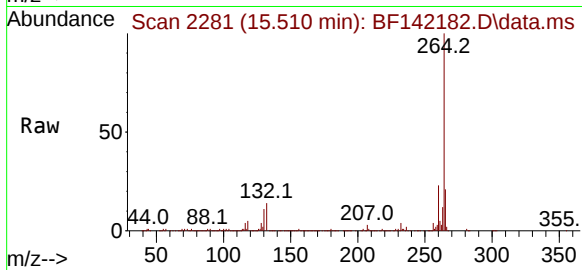
Acq: 31 Mar 2025 15:58

Instrument :

BNA_F

ClientSampleId :

P001-BBDGA-002-01



Tgt Ion:264 Resp: 291072

Ion Ratio Lower Upper

264 100

260 23.3 19.1 28.7

265 21.2 17.5 26.3

