

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111925\
 Data File : BF144283.D
 Acq On : 19 Nov 2025 17:49
 Operator : RC/JU
 Sample : PB170600TB
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB170600TB

Quant Time: Nov 20 00:00:42 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

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

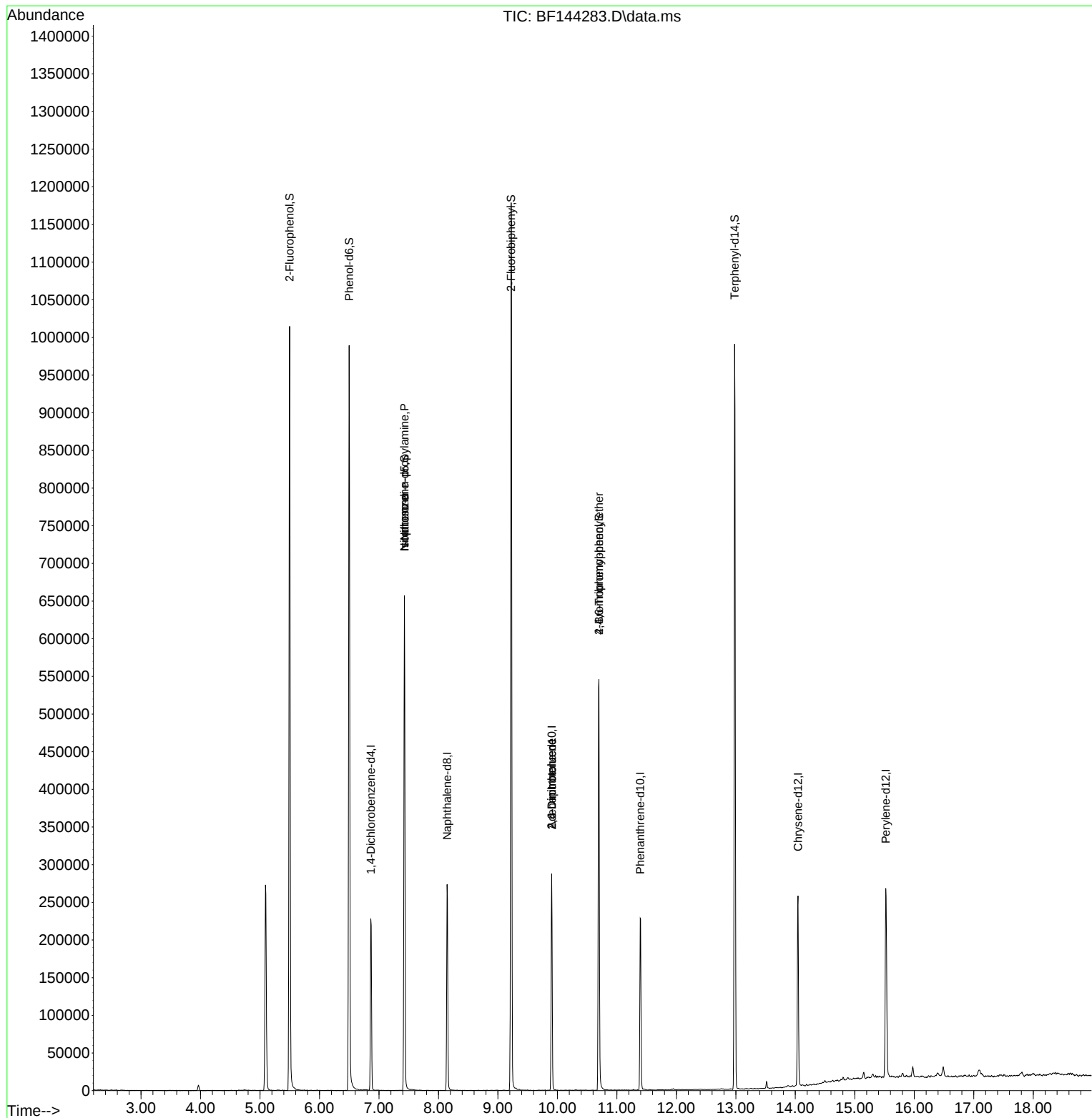
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	50217	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	184986	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	93345	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	136307	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	137075	20.000	ng	0.00
86) Perylene-d12	15.521	264	166787	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	395513	123.251	ng	0.00
7) Phenol-d6	6.498	99	434798	119.579	ng	0.00
23) Nitrobenzene-d5	7.428	82	277026	86.491	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	117436	100.255	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	566167	89.581	ng	0.00
79) Terphenyl-d14	12.980	244	536576	62.178	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	40172	16.783	ng	# 77
25) Isophorone	7.428	82	277023	45.725	ng	# 66
51) 2,6-Dinitrotoluene	9.904	165	11369	9.082	ng	# 27
57) 2,4-Dinitrotoluene	9.904	165	11369	6.784	ng	# 27
67) 4-Bromophenyl-phenylether	10.698	248	7357	4.229	ng	# 1

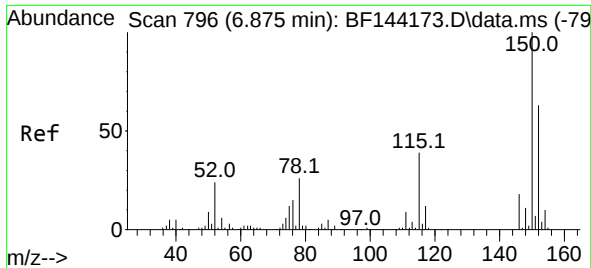
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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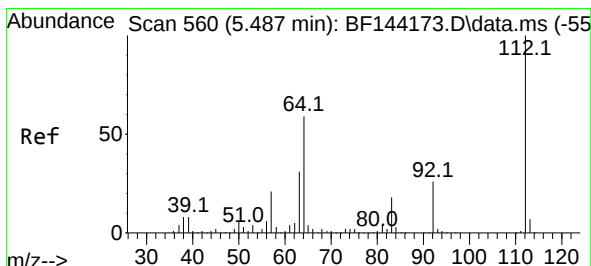
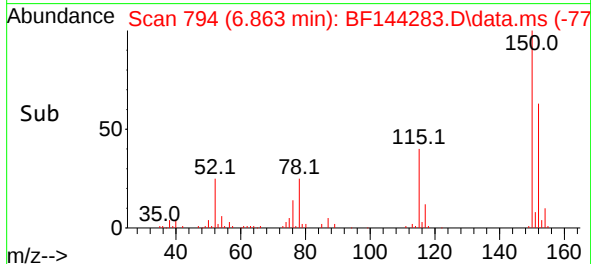
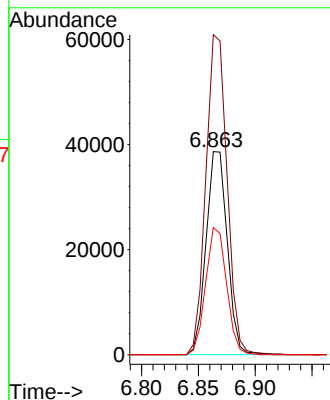
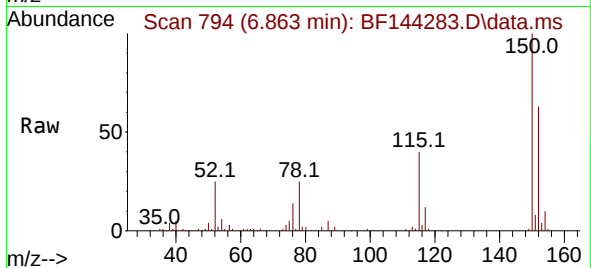




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 794
Delta R.T. -0.012 min
Lab File: BF144283.D
Acq: 19 Nov 2025 17:49

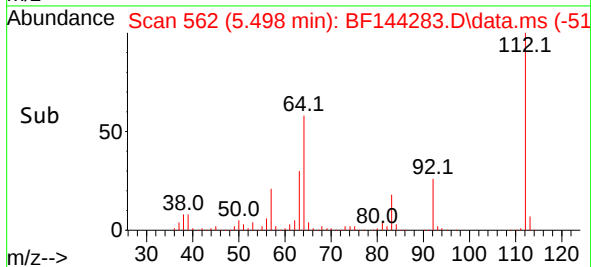
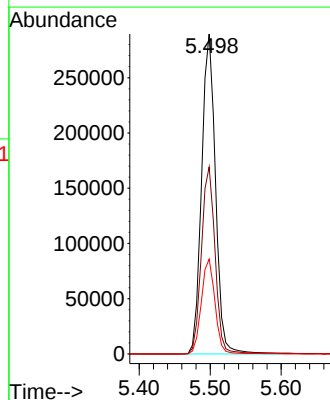
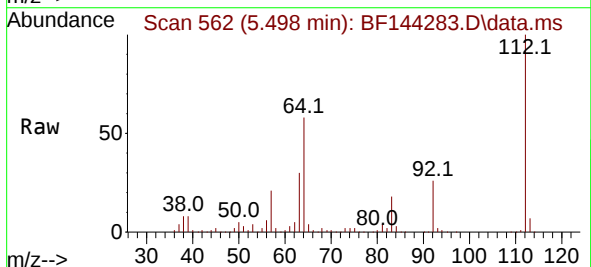
Instrument :
BNA_F
ClientSampleId :
PB170600TB

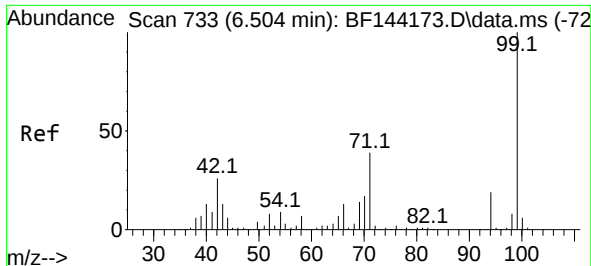
Tgt Ion:152 Resp: 50217
Ion Ratio Lower Upper
152 100
150 157.6 127.4 191.0
115 62.6 49.5 74.3



#5
2-Fluorophenol
Concen: 123.251 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF144283.D
Acq: 19 Nov 2025 17:49

Tgt Ion:112 Resp: 395513
Ion Ratio Lower Upper
112 100
64 58.5 47.2 70.8
63 29.6 24.4 36.6





#7

Phenol-d6

Concen: 119.579 ng

RT: 6.498 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF144283.D

Acq: 19 Nov 2025 17:49

Instrument :

BNA_F

ClientSampleId :

PB170600TB

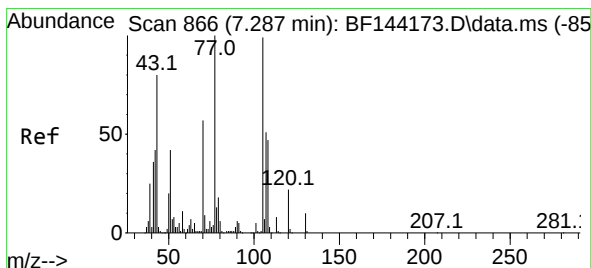
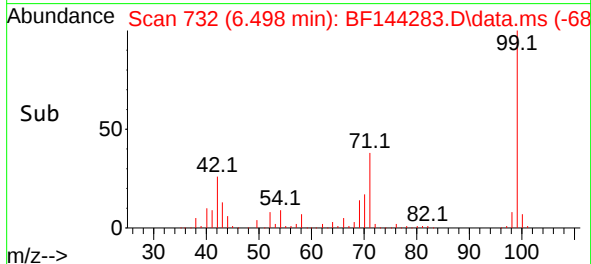
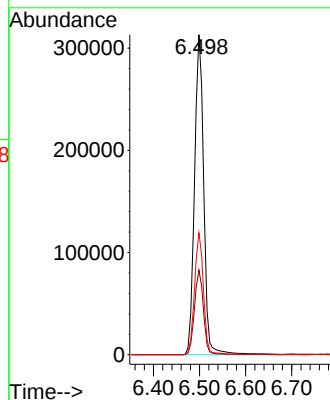
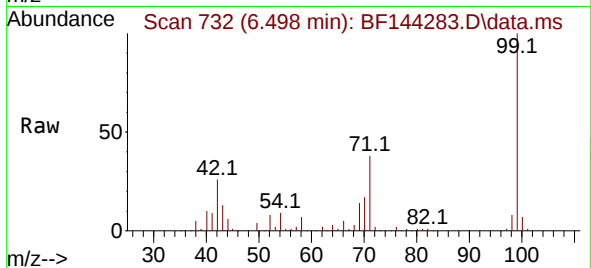
Tgt Ion: 99 Resp: 434798

Ion Ratio Lower Upper

99 100

42 26.5 20.9 31.3

71 38.1 31.4 47.2



#19

n-Nitroso-di-n-propylamine

Concen: 16.783 ng

RT: 7.428 min Scan# 890

Delta R.T. 0.153 min

Lab File: BF144283.D

Acq: 19 Nov 2025 17:49

Tgt Ion: 70 Resp: 40172

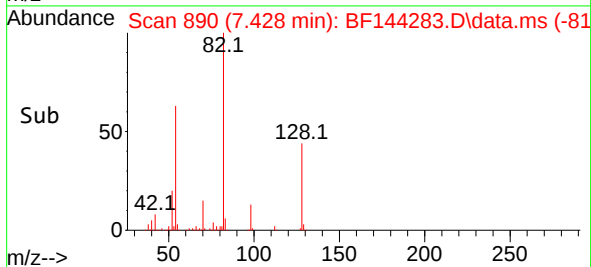
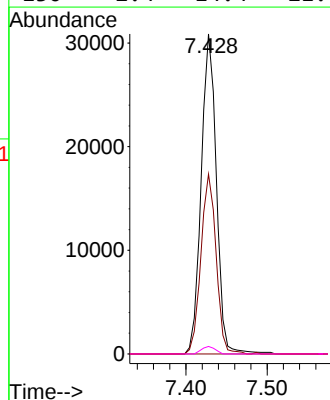
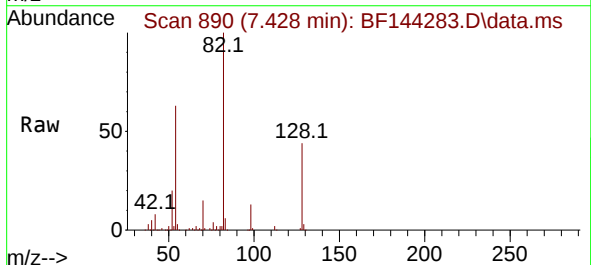
Ion Ratio Lower Upper

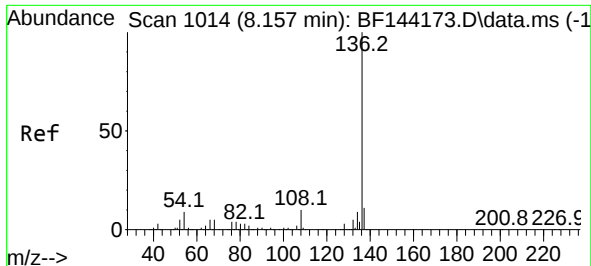
70 100

42 56.2 58.3 87.5#

101 0.0 7.0 10.6#

130 2.4 14.4 21.6#

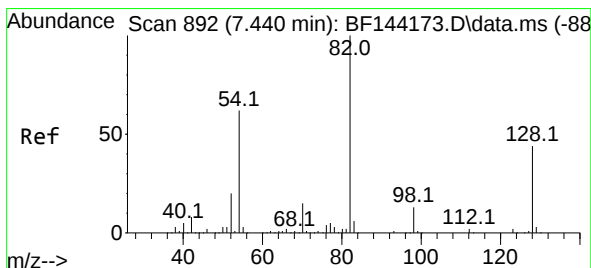
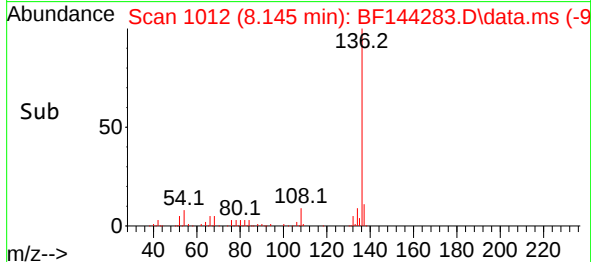
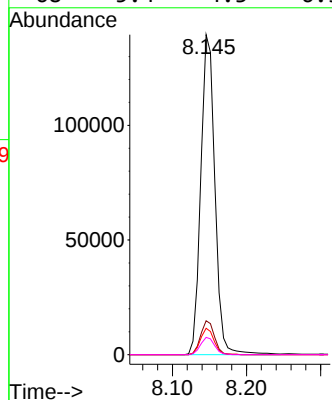
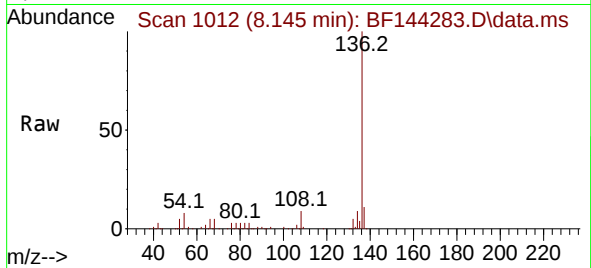




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF144283.D
Acq: 19 Nov 2025 17:49

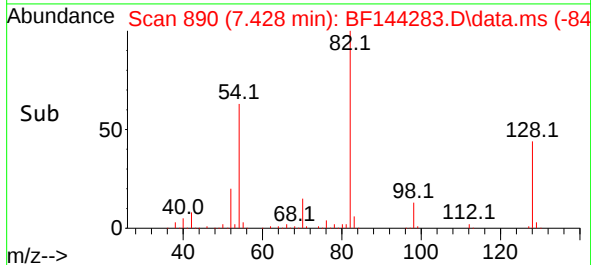
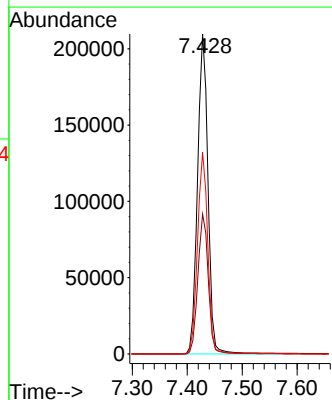
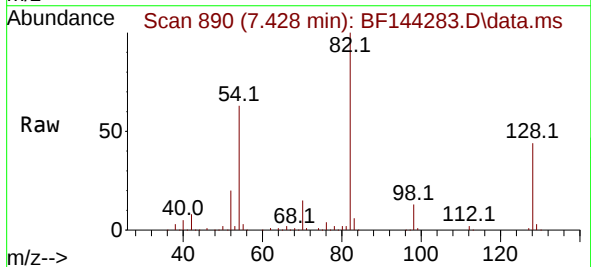
Instrument :
BNA_F
ClientSampleId :
PB170600TB

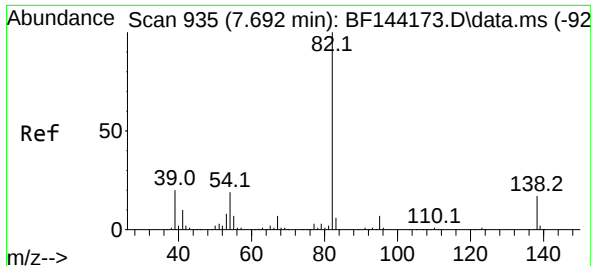
Tgt Ion:	136	Resp:	184986
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.6	13.0
54	8.3	7.0	10.6
68	5.4	4.3	6.5



#23
Nitrobenzene-d5
Concen: 86.491 ng
RT: 7.428 min Scan# 890
Delta R.T. -0.006 min
Lab File: BF144283.D
Acq: 19 Nov 2025 17:49

Tgt Ion:	82	Resp:	277026
Ion Ratio	Lower	Upper	
82	100		
128	43.7	34.7	52.1
54	63.0	49.5	74.3

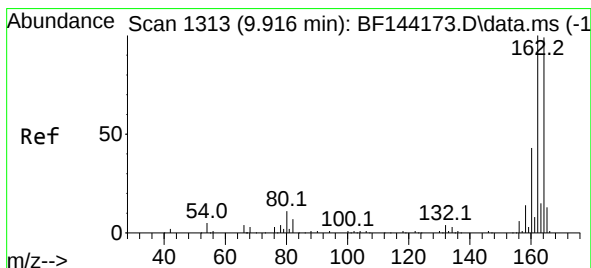
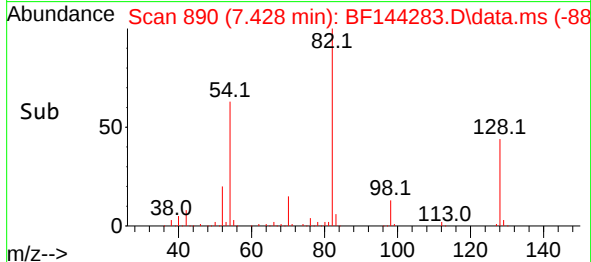
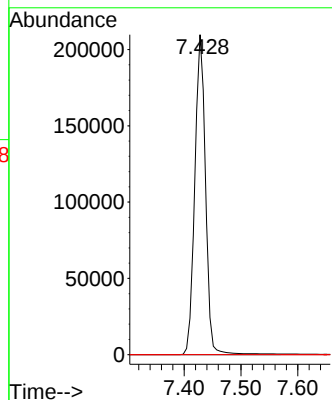
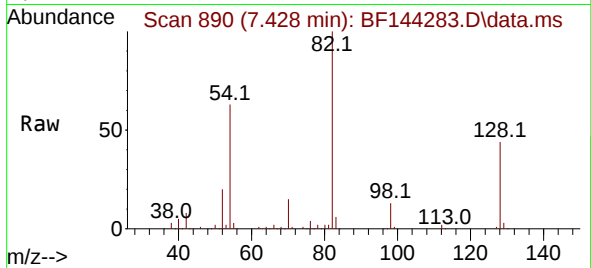




#25
Isophorone
Concen: 45.725 ng
RT: 7.428 min Scan# 89
Delta R.T. -0.259 min
Lab File: BF144283.D
Acq: 19 Nov 2025 17:49

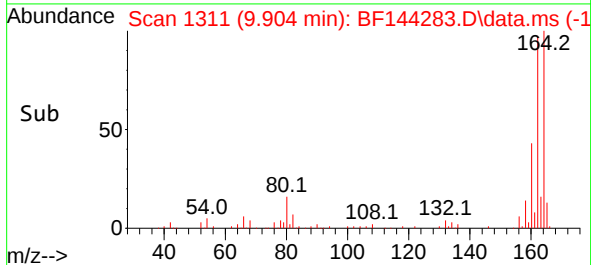
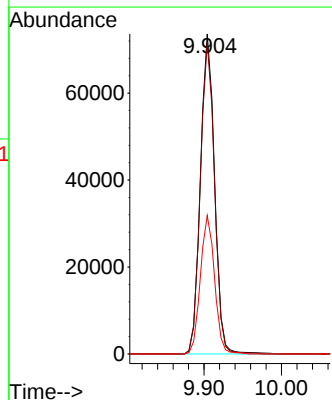
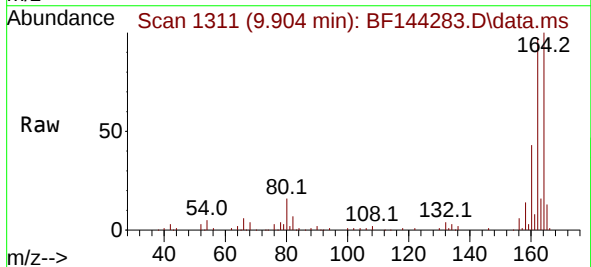
Instrument :
BNA_F
ClientSampleId :
PB170600TB

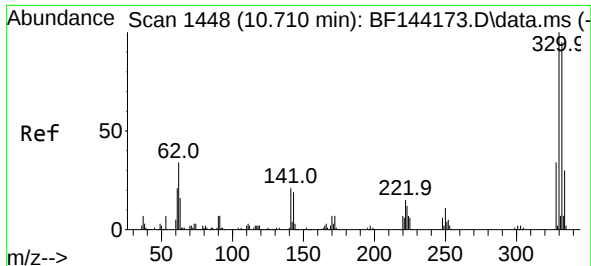
Tgt Ion: 82 Resp: 277023
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF144283.D
Acq: 19 Nov 2025 17:49

Tgt Ion:164 Resp: 93345
Ion Ratio Lower Upper
164 100
162 97.2 81.1 121.7
160 43.3 34.5 51.7





#42

2,4,6-Tribromophenol

Concen: 100.255 ng

RT: 10.698 min Scan# 1446

Delta R.T. -0.006 min

Lab File: BF144283.D

Acq: 19 Nov 2025 17:49

Instrument :

BNA_F

ClientSampleId :

PB170600TB

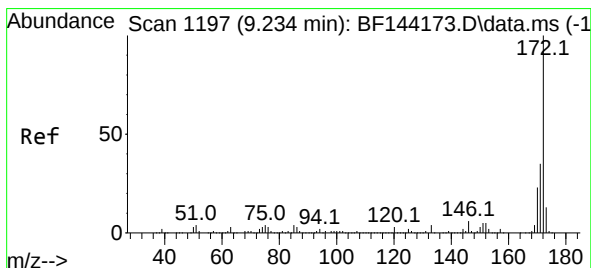
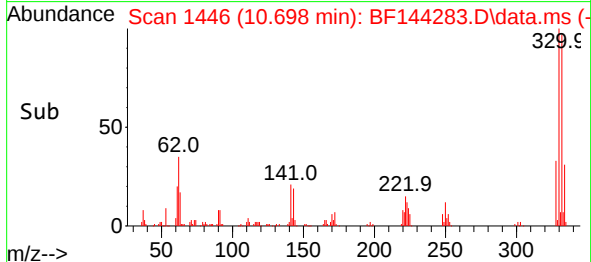
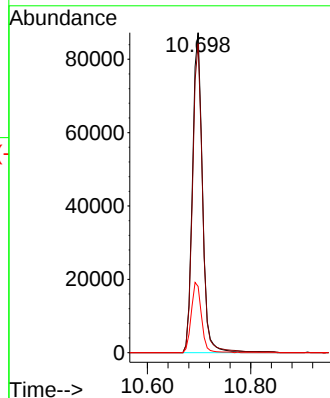
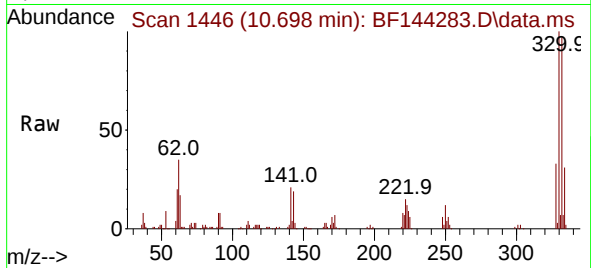
Tgt Ion:330 Resp: 117436

Ion Ratio Lower Upper

330 100

332 96.3 76.7 115.1

141 22.4 17.8 26.8



#45

2-Fluorobiphenyl

Concen: 89.581 ng

RT: 9.222 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BF144283.D

Acq: 19 Nov 2025 17:49

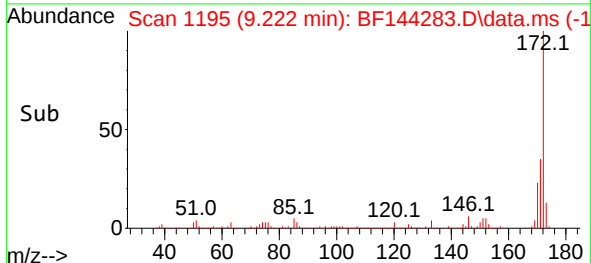
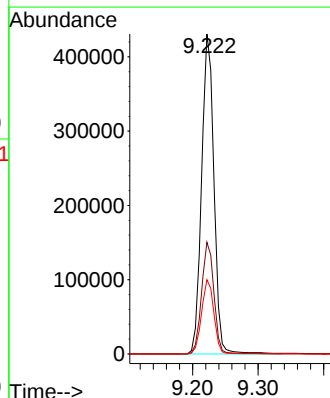
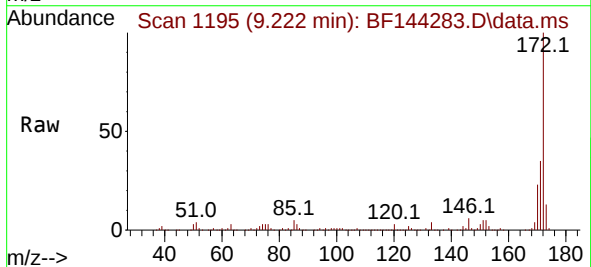
Tgt Ion:172 Resp: 566167

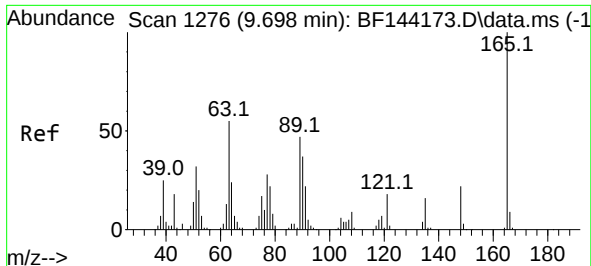
Ion Ratio Lower Upper

172 100

171 34.9 28.1 42.1

170 23.2 18.6 28.0

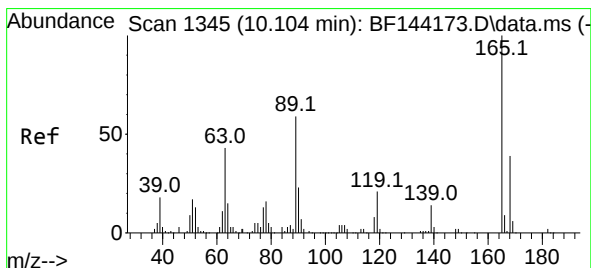
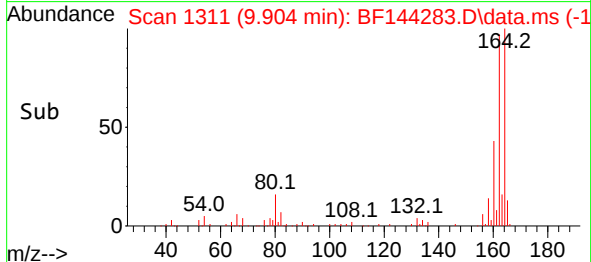
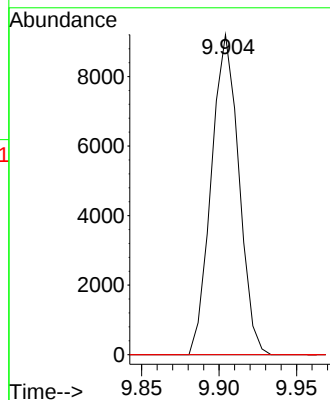
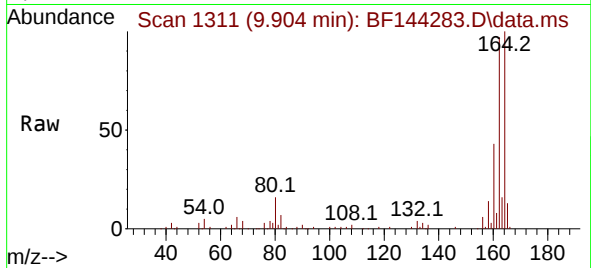




#51
2,6-Dinitrotoluene
Concen: 9.082 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF144283.D
Acq: 19 Nov 2025 17:49

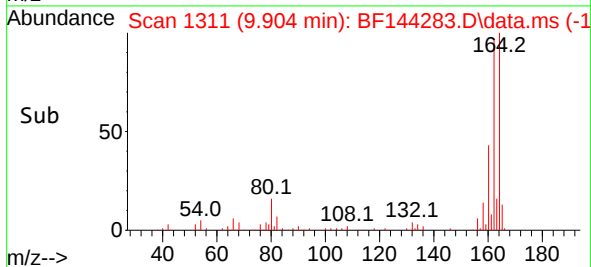
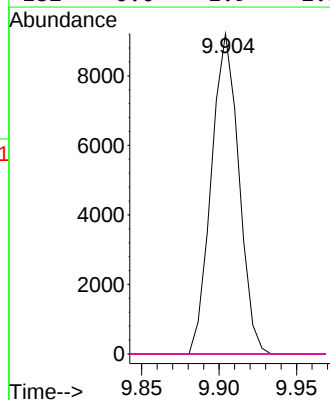
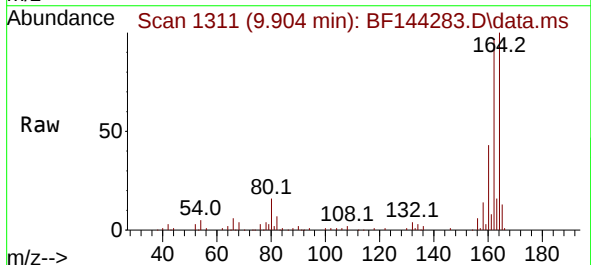
Instrument :
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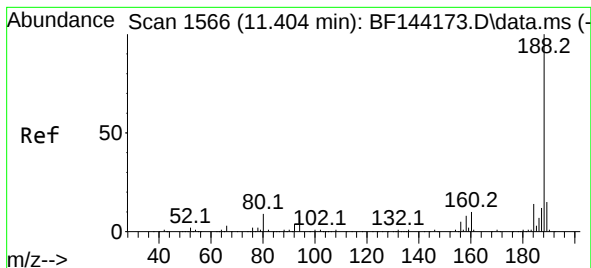
Tgt Ion:165 Resp: 11369
Ion Ratio Lower Upper
165 100
63 0.0 43.8 65.8#
89 0.0 37.5 56.3#



#57
2,4-Dinitrotoluene
Concen: 6.784 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.194 min
Lab File: BF144283.D
Acq: 19 Nov 2025 17:49

Tgt Ion:165 Resp: 11369
Ion Ratio Lower Upper
165 100
63 0.0 35.5 53.3#
89 0.0 47.4 71.2#
182 0.0 1.9 2.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF144283.D

Acq: 19 Nov 2025 17:49

Instrument :

BNA_F

ClientSampleId :

PB170600TB

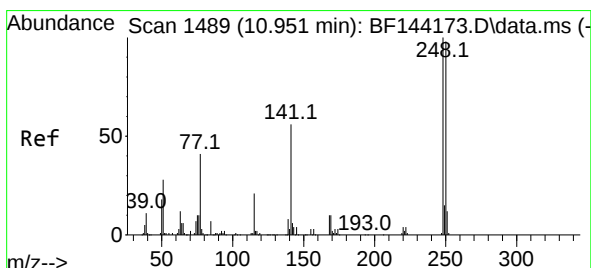
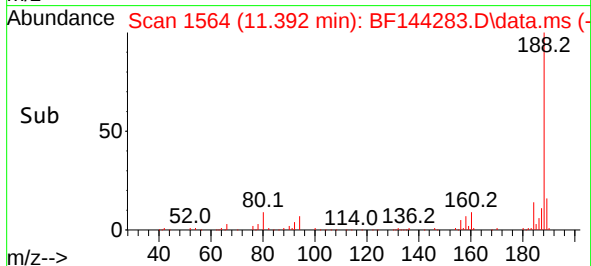
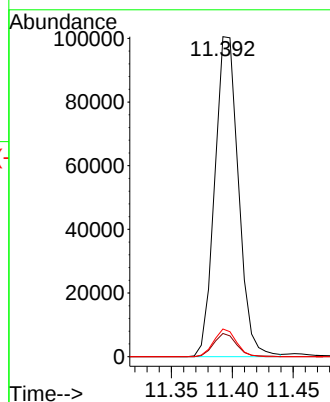
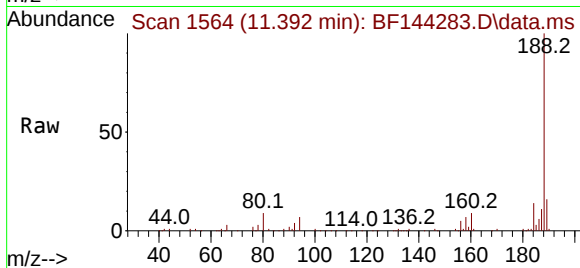
Tgt Ion:188 Resp: 136307

Ion Ratio Lower Upper

188 100

94 7.3 6.2 9.2

80 8.6 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 4.229 ng

RT: 10.698 min Scan# 1446

Delta R.T. -0.247 min

Lab File: BF144283.D

Acq: 19 Nov 2025 17:49

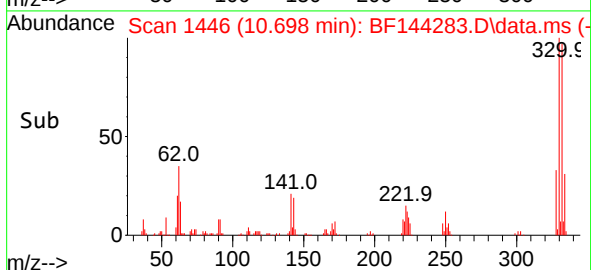
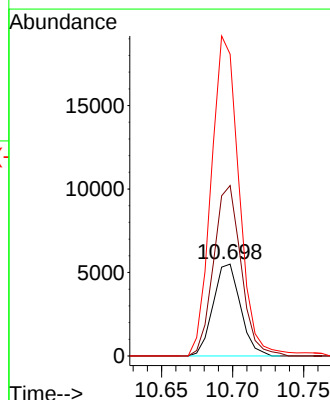
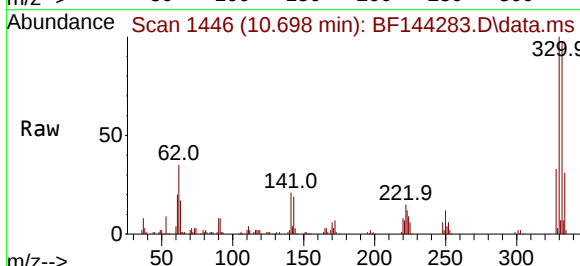
Tgt Ion:248 Resp: 7357

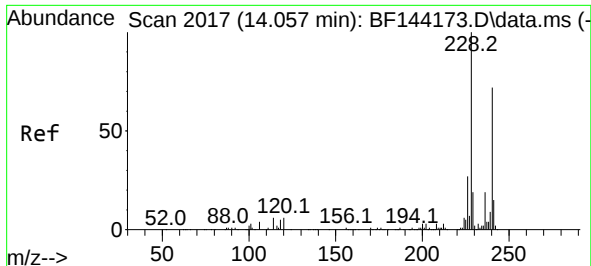
Ion Ratio Lower Upper

248 100

250 185.5 78.4 117.6#

141 328.4 45.1 67.7#

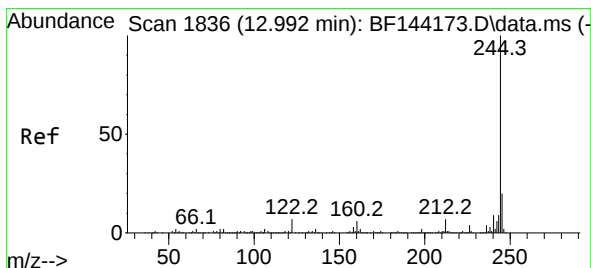
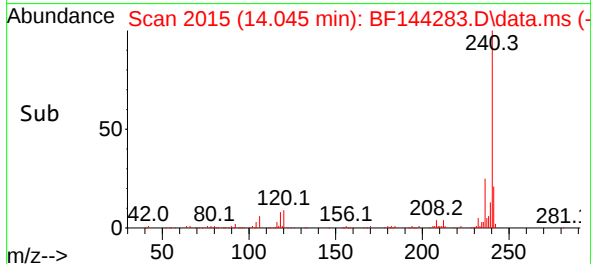
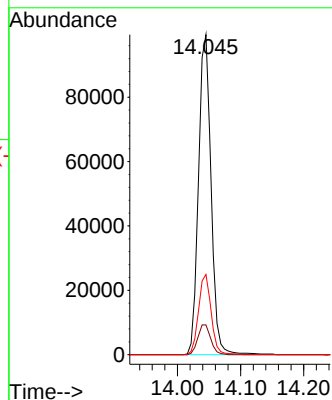
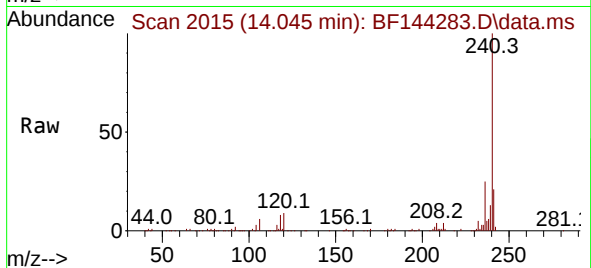




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF144283.D
Acq: 19 Nov 2025 17:49

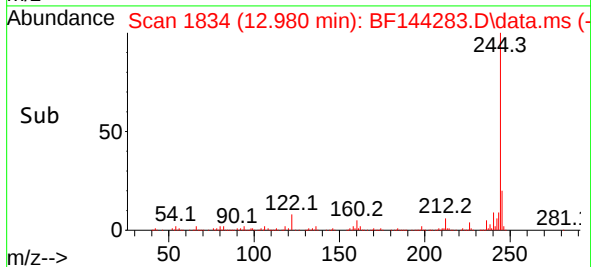
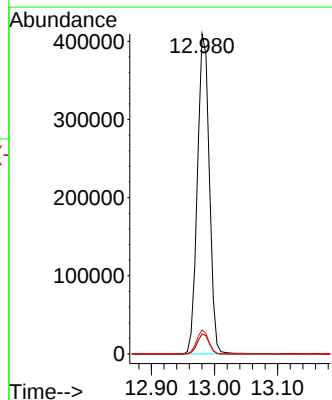
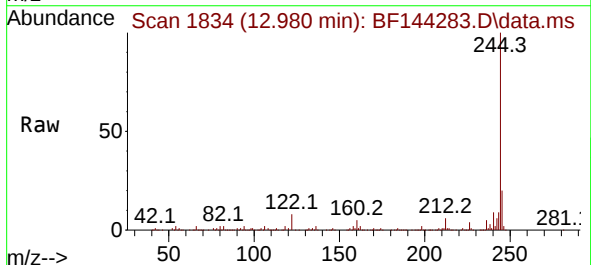
Instrument :
BNA_F
ClientSampleId :
PB170600TB

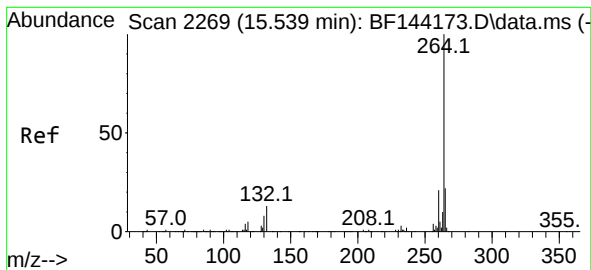
Tgt Ion:240 Resp: 137075
Ion Ratio Lower Upper
240 100
120 9.3 6.6 10.0
236 25.1 21.4 32.2



#79
Terphenyl-d14
Concen: 62.178 ng
RT: 12.980 min Scan# 1834
Delta R.T. -0.012 min
Lab File: BF144283.D
Acq: 19 Nov 2025 17:49

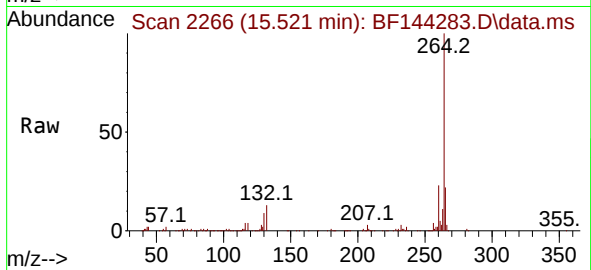
Tgt Ion:244 Resp: 536576
Ion Ratio Lower Upper
244 100
212 6.3 5.3 7.9
122 7.5 5.6 8.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF144283.D
Acq: 19 Nov 2025 17:49

Instrument :
BNA_F
ClientSampleId :
PB170600TB



Tgt Ion:264 Resp: 166787

Ion	Ratio	Lower	Upper
264	100		
260	23.0	17.1	25.7
265	21.7	17.4	26.0

