

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112125\
 Data File : BF144316.D
 Acq On : 21 Nov 2025 19:19
 Operator : RC/JU
 Sample : PB170645TB
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB170645TB

Quant Time: Nov 21 22:05:20 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)

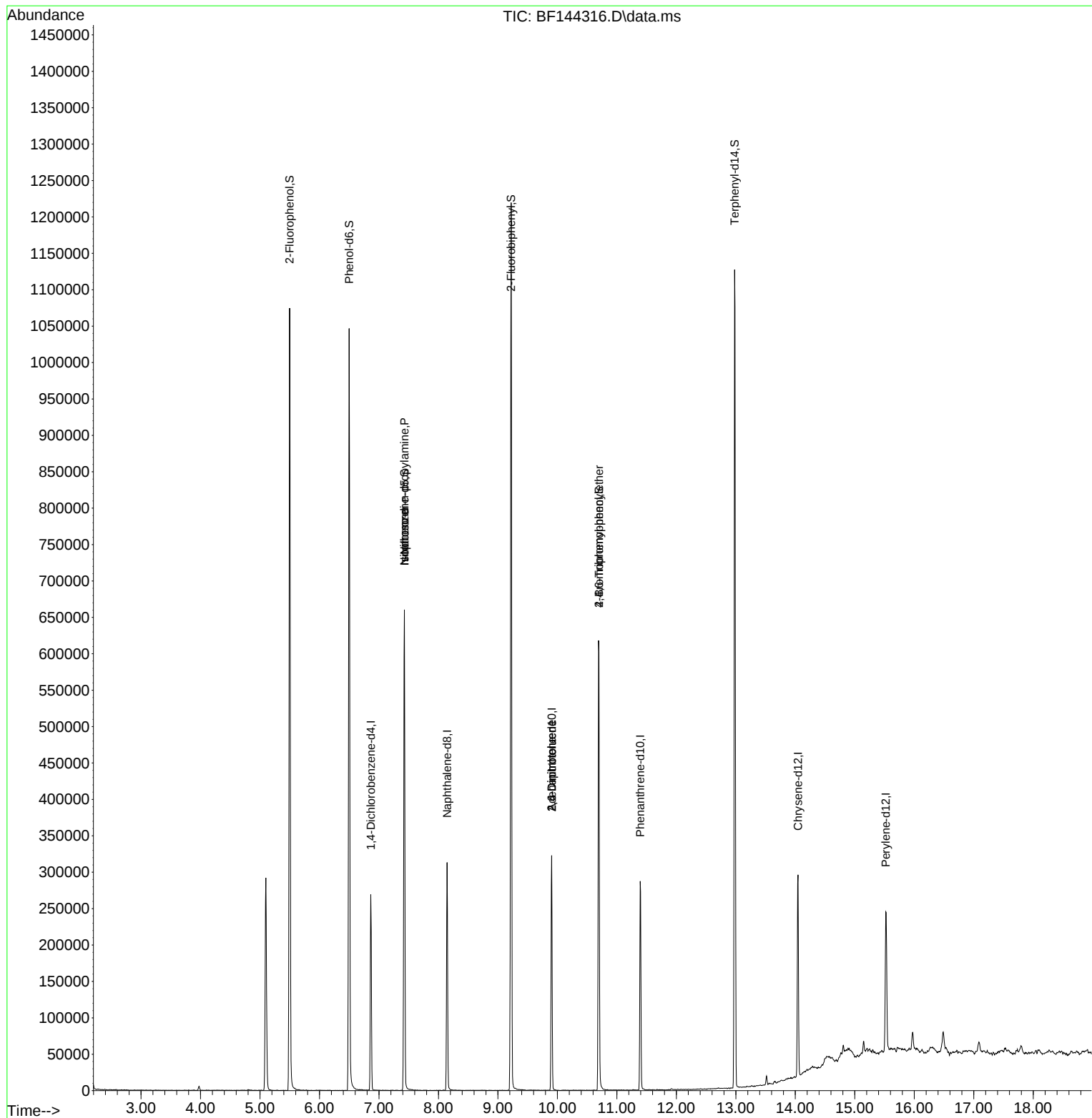
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	58255	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	204537	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	101602	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	166217	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	146039	20.000	ng	0.00
86) Perylene-d12	15.521	264	115735	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	419538	112.698	ng	0.00
7) Phenol-d6	6.498	99	466394	110.570	ng	0.00
23) Nitrobenzene-d5	7.428	82	285972	80.750	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	132601	104.002	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	592675	86.154	ng	0.00
79) Terphenyl-d14	12.980	244	621827	67.634	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	40978	14.757	ng	# 78
25) Isophorone	7.428	82	285969	42.690	ng	# 66
51) 2,6-Dinitrotoluene	9.904	165	13275	9.743	ng	# 27
57) 2,4-Dinitrotoluene	9.904	165	13275	7.278	ng	# 27
67) 4-Bromophenyl-phenylether	10.698	248	7426	3.500	ng	# 1

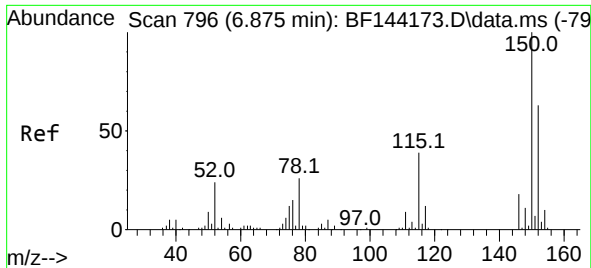
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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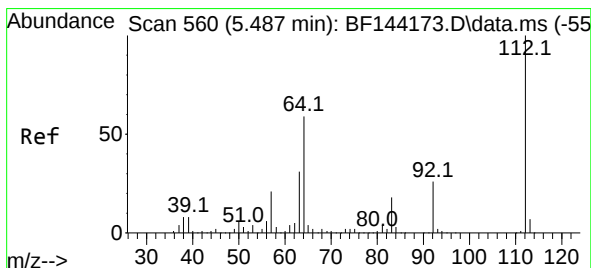
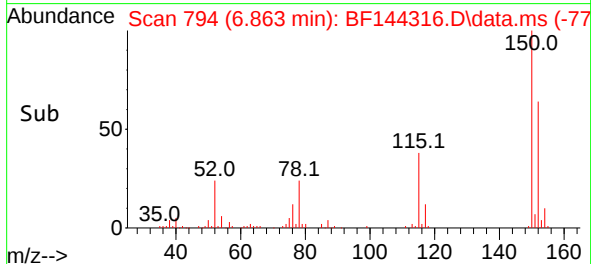
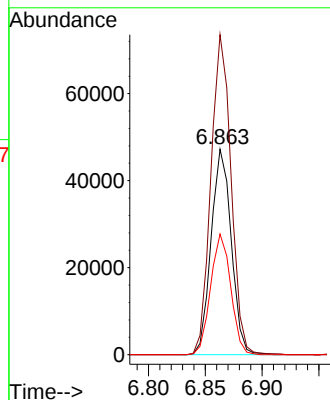
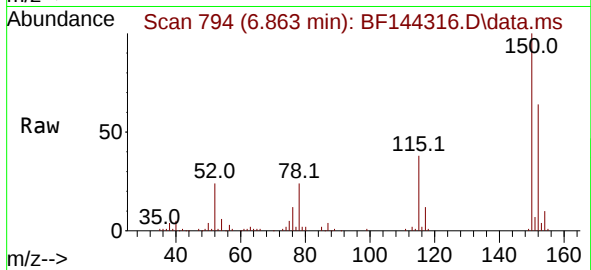




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.863 min Scan# 794
 Delta R.T. -0.012 min
 Lab File: BF144316.D
 Acq: 21 Nov 2025 19:19

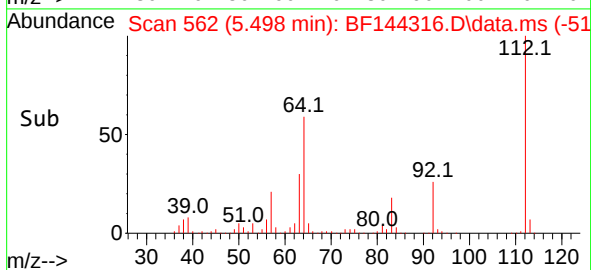
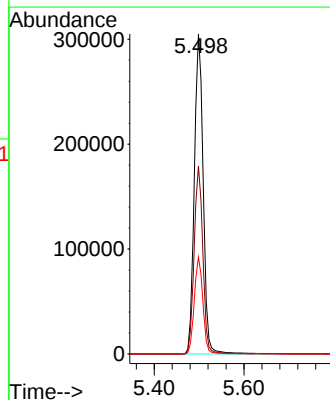
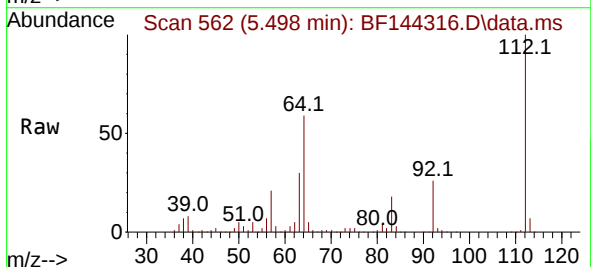
Instrument :
 BNA_F
 ClientSampleId :
 PB170645TB

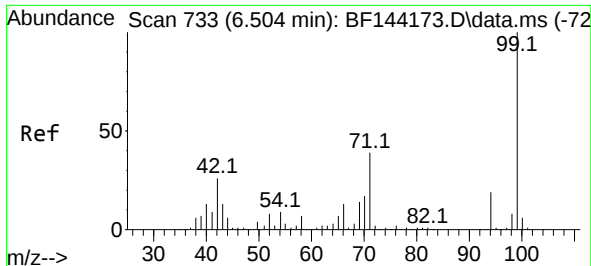
Tgt Ion:152 Resp: 58255
 Ion Ratio Lower Upper
 152 100
 150 155.8 127.4 191.0
 115 58.7 49.5 74.3



#5
 2-Fluorophenol
 Concen: 112.698 ng
 RT: 5.498 min Scan# 562
 Delta R.T. 0.006 min
 Lab File: BF144316.D
 Acq: 21 Nov 2025 19:19

Tgt Ion:112 Resp: 419538
 Ion Ratio Lower Upper
 112 100
 64 58.7 47.2 70.8
 63 30.3 24.4 36.6

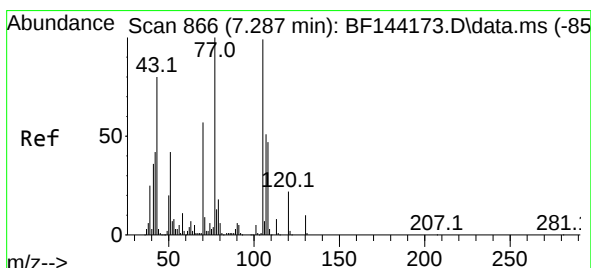
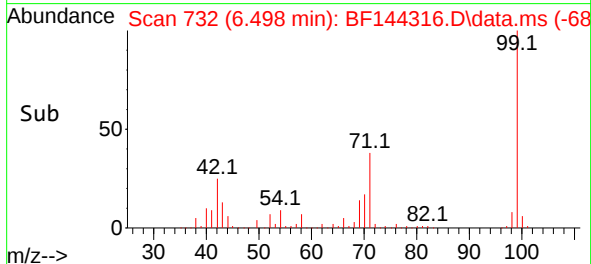
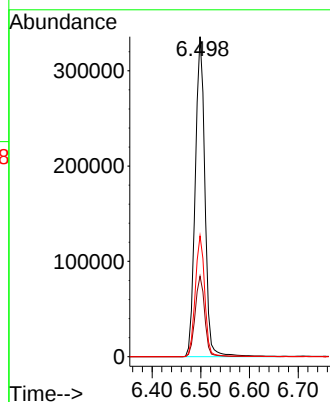
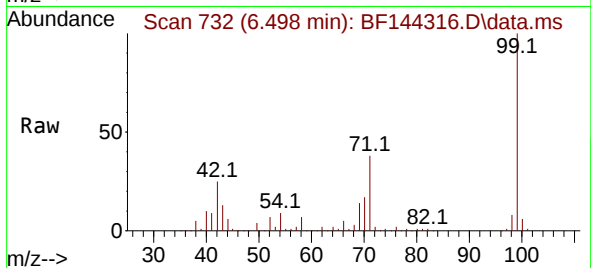




#7
Phenol-d6
Concen: 110.570 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF144316.D
Acq: 21 Nov 2025 19:19

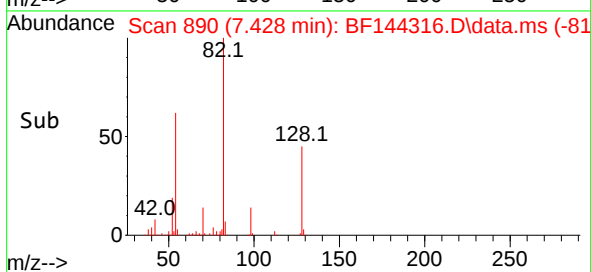
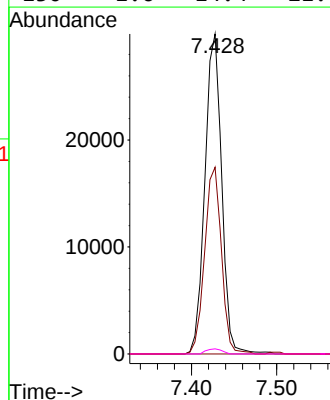
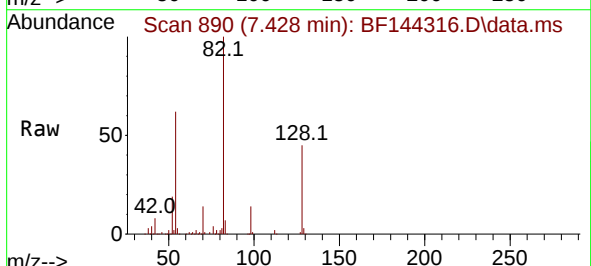
Instrument :
BNA_F
ClientSampleId :
PB170645TB

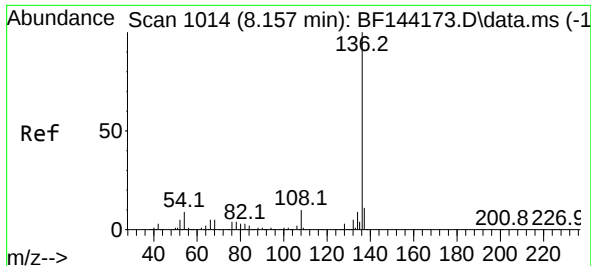
Tgt Ion: 99 Resp: 466394
Ion Ratio Lower Upper
99 100
42 25.2 20.9 31.3
71 37.8 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 14.757 ng
RT: 7.428 min Scan# 890
Delta R.T. 0.153 min
Lab File: BF144316.D
Acq: 21 Nov 2025 19:19

Tgt Ion: 70 Resp: 40978
Ion Ratio Lower Upper
70 100
42 58.4 58.3 87.5
101 0.0 7.0 10.6#
130 1.6 14.4 21.6#



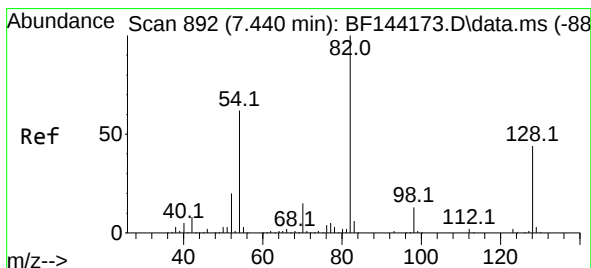
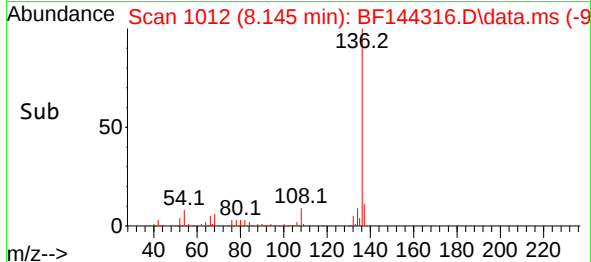
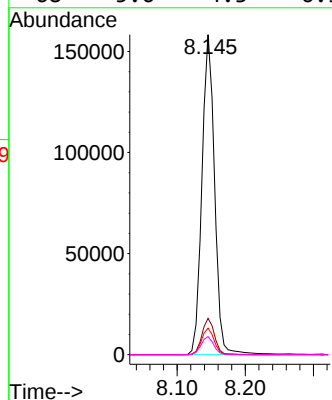
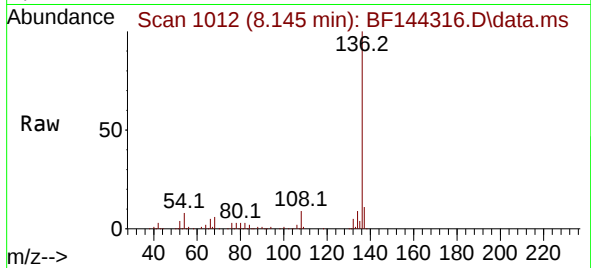


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF144316.D
Acq: 21 Nov 2025 19:19

Instrument :
BNA_F
ClientSampleId :
PB170645TB

Tgt Ion:136 Resp: 204537

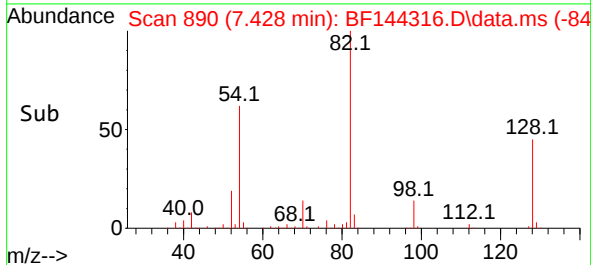
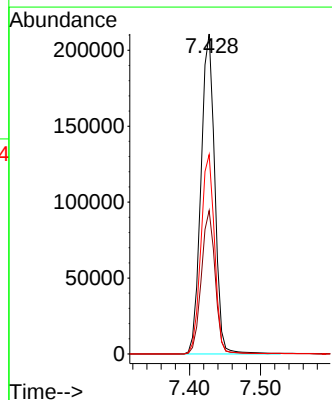
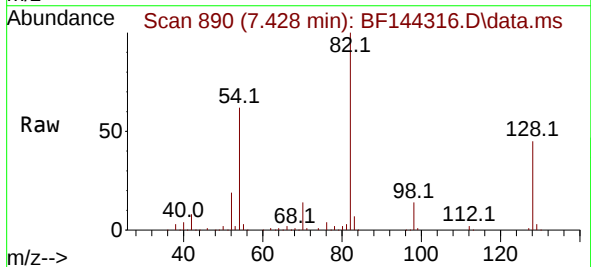
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.6	13.0
54	8.3	7.0	10.6
68	5.6	4.3	6.5

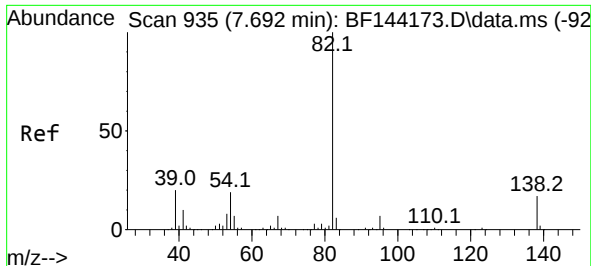


#23
Nitrobenzene-d5
Concen: 80.750 ng
RT: 7.428 min Scan# 890
Delta R.T. -0.006 min
Lab File: BF144316.D
Acq: 21 Nov 2025 19:19

Tgt Ion: 82 Resp: 285972

Ion	Ratio	Lower	Upper
82	100		
128	44.8	34.7	52.1
54	62.3	49.5	74.3

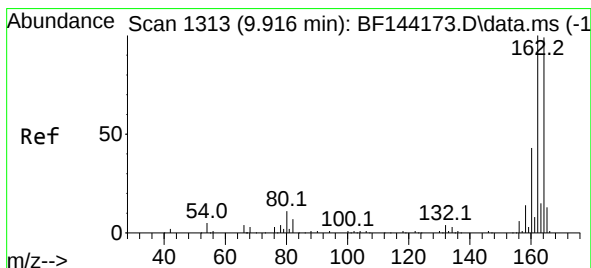
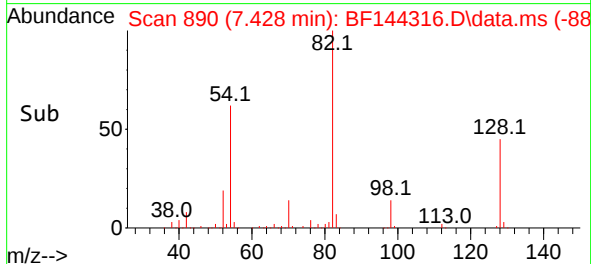
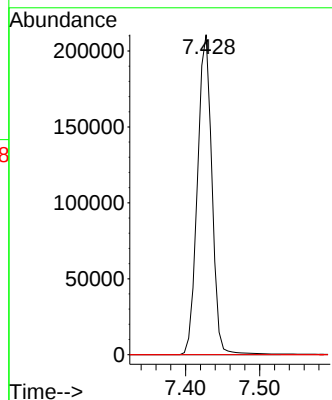
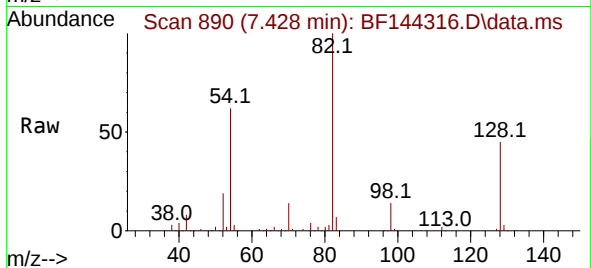




#25
Isophorone
Concen: 42.690 ng
RT: 7.428 min Scan# 89
Delta R.T. -0.259 min
Lab File: BF144316.D
Acq: 21 Nov 2025 19:19

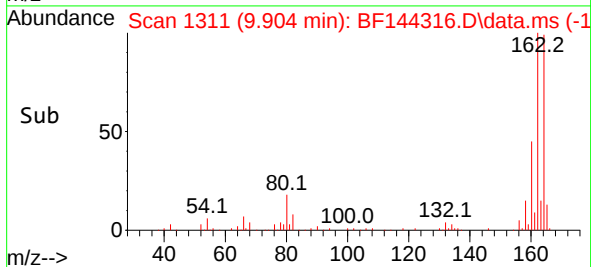
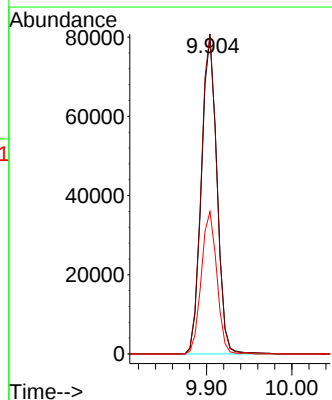
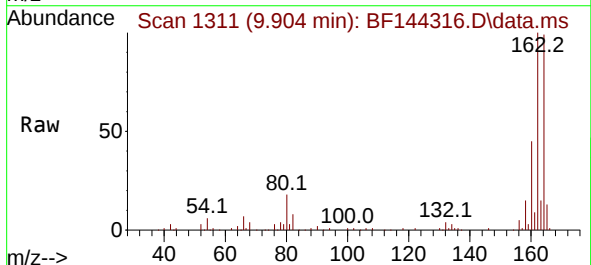
Instrument :
BNA_F
ClientSampleId :
PB170645TB

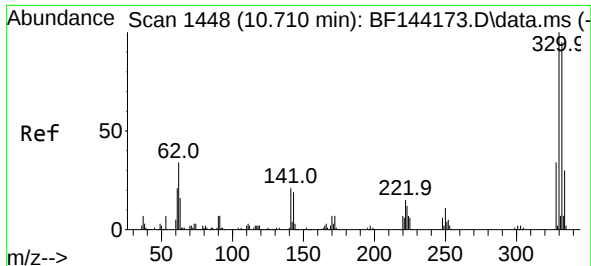
Tgt Ion: 82 Resp: 285969
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF144316.D
Acq: 21 Nov 2025 19:19

Tgt Ion: 164 Resp: 101602
Ion Ratio Lower Upper
164 100
162 100.9 81.1 121.7
160 44.9 34.5 51.7





#42

2,4,6-Tribromophenol

Concen: 104.002 ng

RT: 10.698 min Scan# 1446

Delta R.T. -0.006 min

Lab File: BF144316.D

Acq: 21 Nov 2025 19:19

Instrument :

BNA_F

ClientSampleId :

PB170645TB

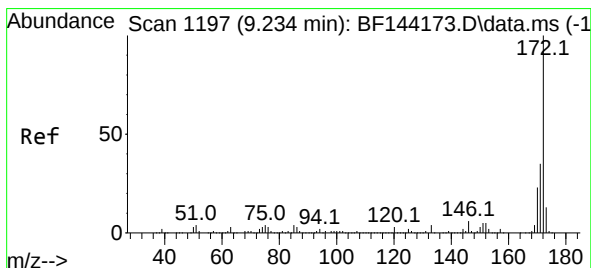
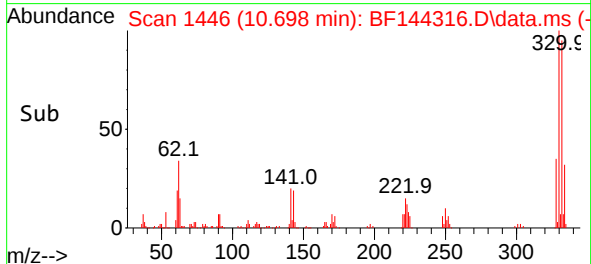
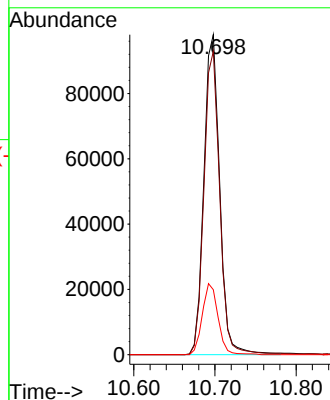
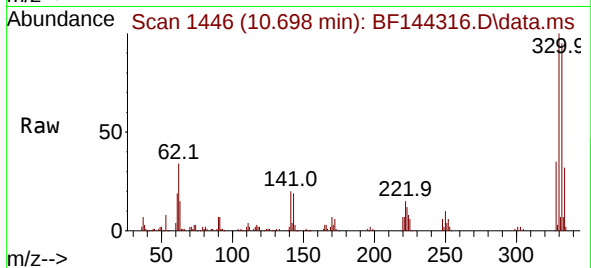
Tgt Ion:330 Resp: 132601

Ion Ratio Lower Upper

330 100

332 94.7 76.7 115.1

141 22.1 17.8 26.8



#45

2-Fluorobiphenyl

Concen: 86.154 ng

RT: 9.222 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BF144316.D

Acq: 21 Nov 2025 19:19

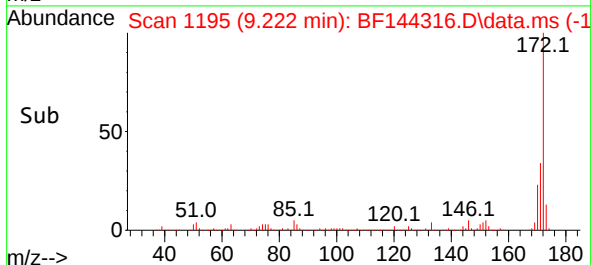
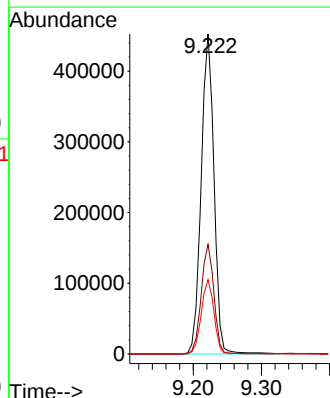
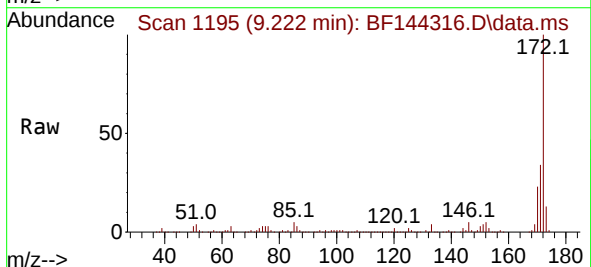
Tgt Ion:172 Resp: 592675

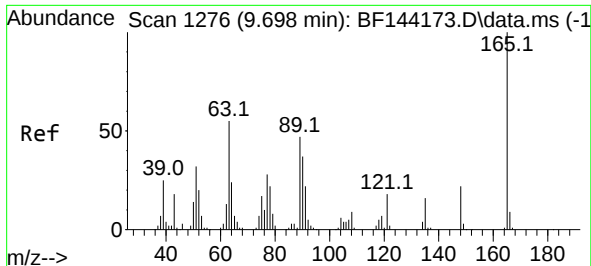
Ion Ratio Lower Upper

172 100

171 34.2 28.1 42.1

170 23.2 18.6 28.0





#51

2,6-Dinitrotoluene

Concen: 9.743 ng

RT: 9.904 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF144316.D

Acq: 21 Nov 2025 19:19

Instrument :

BNA_F

ClientSampleId :

PB170645TB

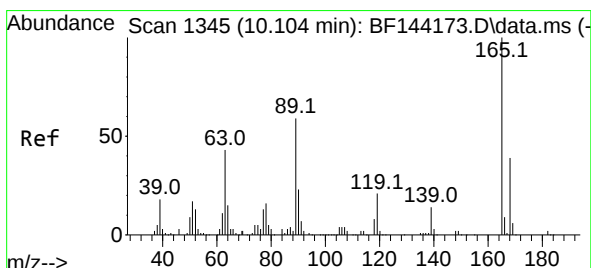
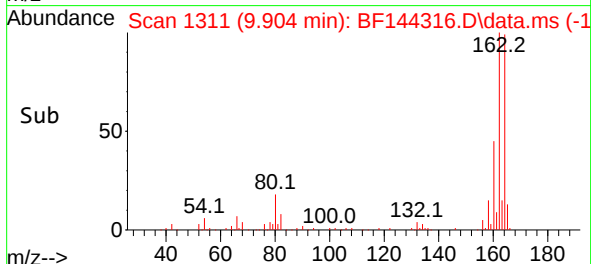
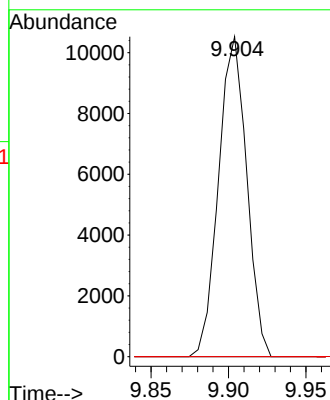
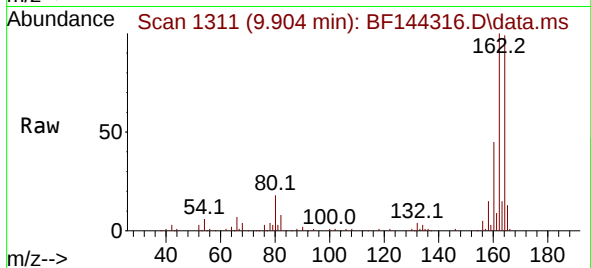
Tgt Ion:165 Resp: 13275

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: 7.278 ng

RT: 9.904 min Scan# 1311

Delta R.T. -0.194 min

Lab File: BF144316.D

Acq: 21 Nov 2025 19:19

Tgt Ion:165 Resp: 13275

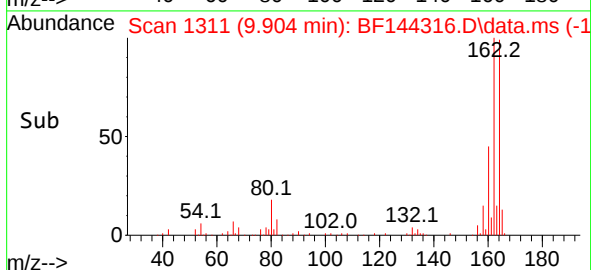
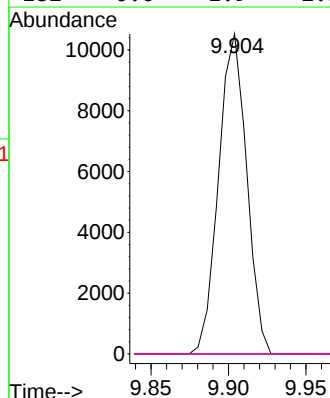
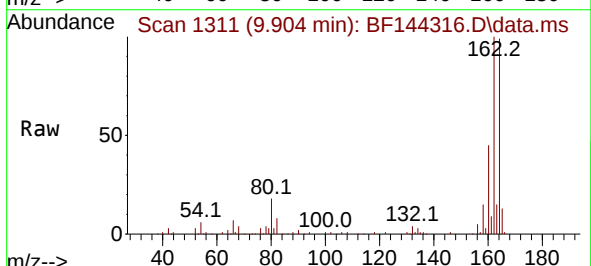
Ion Ratio Lower Upper

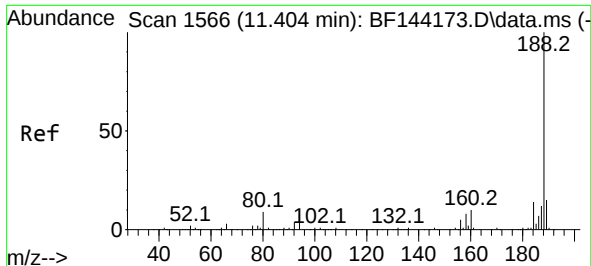
165 100

63 0.0 35.5 53.3#

89 0.0 47.4 71.2#

182 0.0 1.9 2.9#

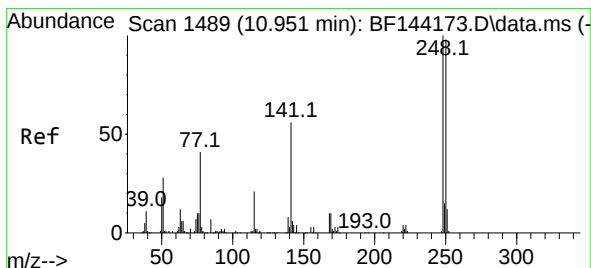
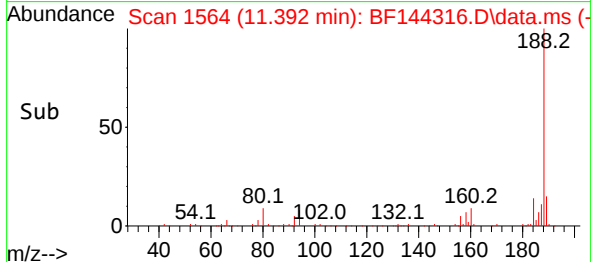
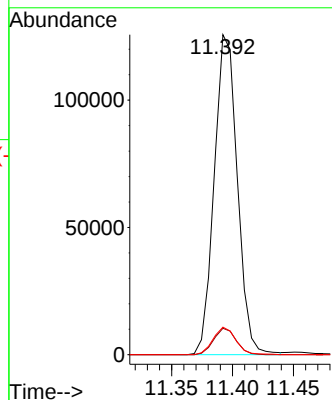
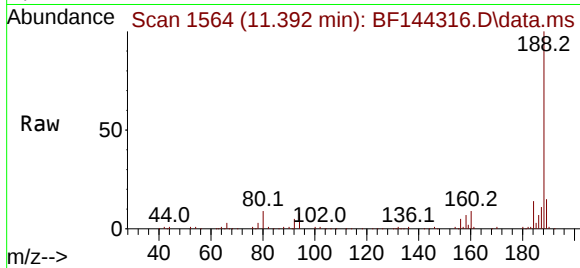




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144316.D
Acq: 21 Nov 2025 19:19

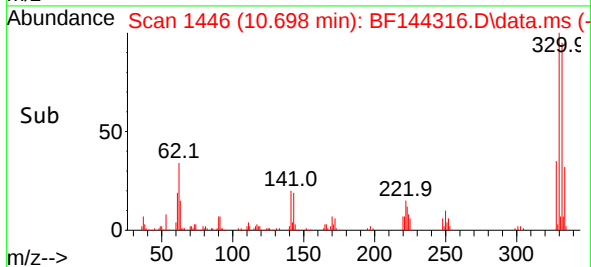
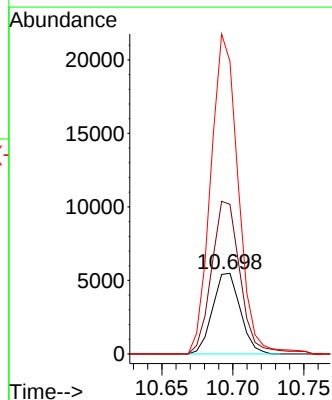
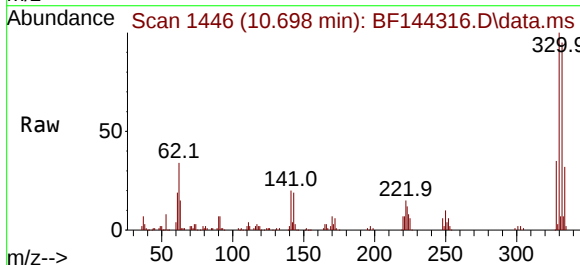
Instrument :
BNA_F
ClientSampleId :
PB170645TB

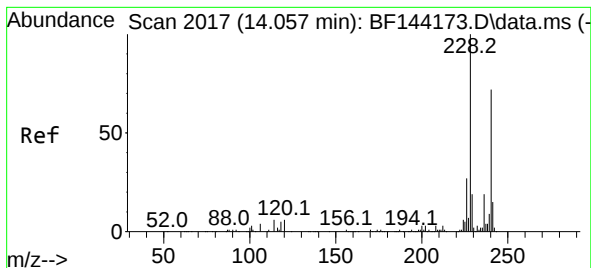
Tgt Ion:188 Resp: 166217
Ion Ratio Lower Upper
188 100
94 8.3 6.2 9.2
80 8.6 6.9 10.3



#67
4-Bromophenyl-phenylether
Concen: 3.500 ng
RT: 10.698 min Scan# 1446
Delta R.T. -0.247 min
Lab File: BF144316.D
Acq: 21 Nov 2025 19:19

Tgt Ion:248 Resp: 7426
Ion Ratio Lower Upper
248 100
250 185.6 78.4 117.6#
141 362.8 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: BF144316.D

Acq: 21 Nov 2025 19:19

Instrument :

BNA_F

ClientSampleId :

PB170645TB

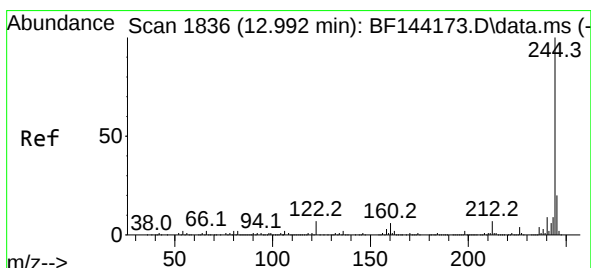
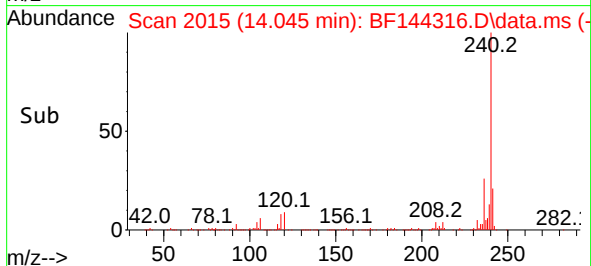
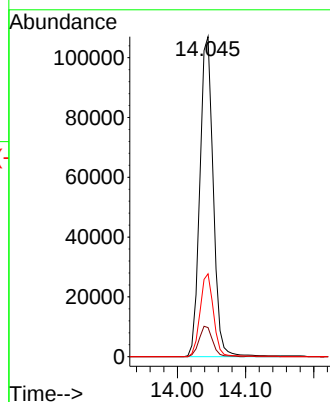
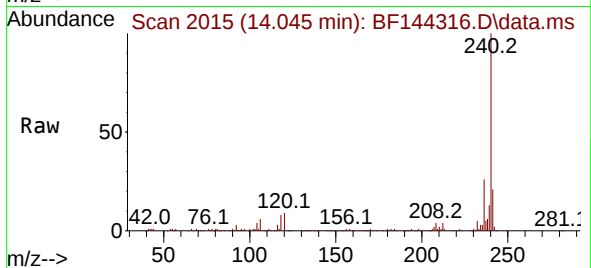
Tgt Ion:240 Resp: 146039

Ion Ratio Lower Upper

240 100

120 9.1 6.6 10.0

236 25.9 21.4 32.2



#79

Terphenyl-d14

Concen: 67.634 ng

RT: 12.980 min Scan# 1834

Delta R.T. -0.012 min

Lab File: BF144316.D

Acq: 21 Nov 2025 19:19

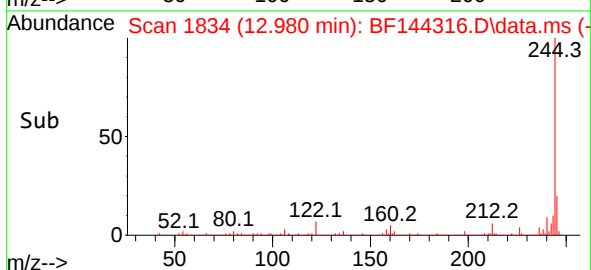
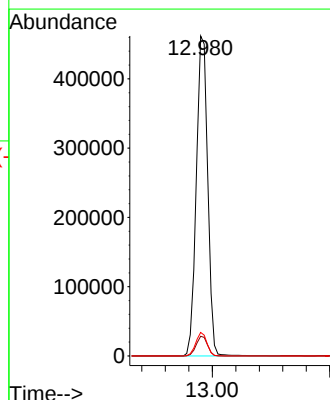
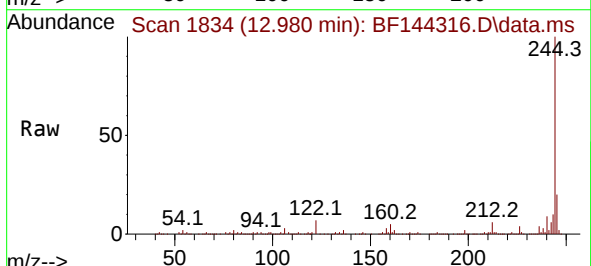
Tgt Ion:244 Resp: 621827

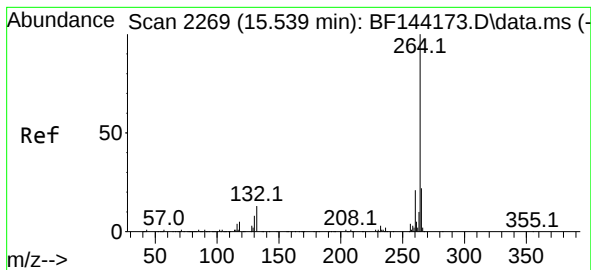
Ion Ratio Lower Upper

244 100

212 6.2 5.3 7.9

122 7.3 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: BF144316.D
 Acq: 21 Nov 2025 19:19

Instrument :
 BNA_F
 ClientSampleId :
 PB170645TB

Tgt Ion:264 Resp: 115735
 Ion Ratio Lower Upper
 264 100
 260 22.8 17.1 25.7
 265 22.0 17.4 26.0

