

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
 Data File : BF144017.D
 Acq On : 21 Oct 2025 17:31
 Operator : RC/JU
 Sample : Q3375-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PR132-S05-000057-20251016

Quant Time: Oct 21 19:43:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

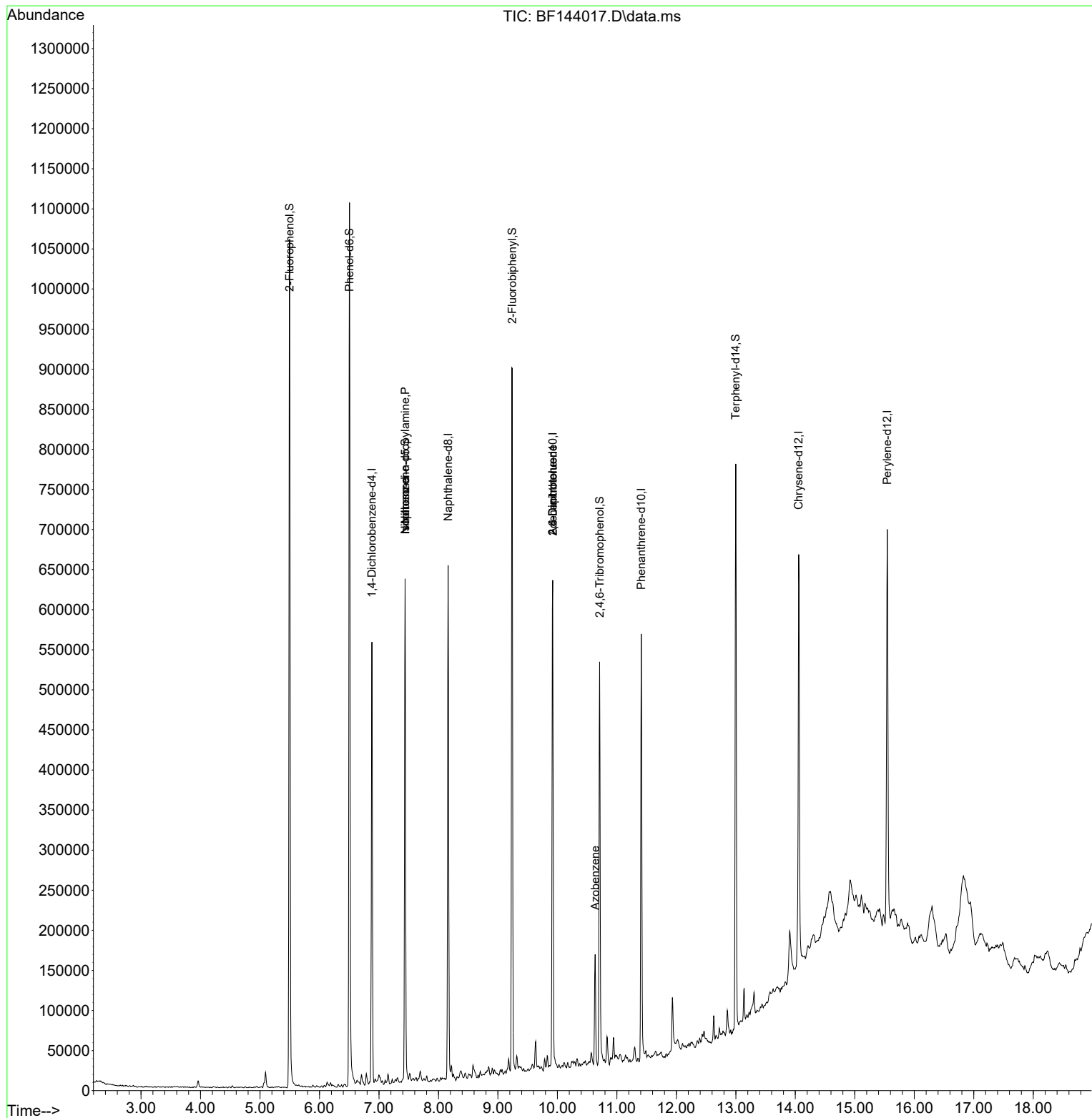
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	111644	20.00	ng	0.00
21) Naphthalene-d8	8.163	136	395479	20.00	ng	0.00
39) Acenaphthene-d10	9.922	164	186629	20.00	ng	0.00
64) Phenanthrene-d10	11.410	188	279883	20.00	ng	0.00
76) Chrysene-d12	14.057	240	258346	20.00	ng	-0.01
86) Perylene-d12	15.545	264	324753	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	420283	59.78	ng	0.00
7) Phenol-d6	6.504	99	482723	57.60	ng	-0.01
23) Nitrobenzene-d5	7.440	82	263431	40.47	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	88473	47.60	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	432755	36.79	ng	-0.01
79) Terphenyl-d14	12.998	244	354121	23.43	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.440	70	39889	6.95	ng	# 74
25) Isophorone	7.440	82	218844	15.94	ng	# 68
51) 2,6-Dinitrotoluene	9.922	165	24368	11.09	ng	# 26
57) 2,4-Dinitrotoluene	9.922	165	24553	8.21	ng	# 27
63) Azobenzene	10.634	77	34228	2.97	ng	# 1

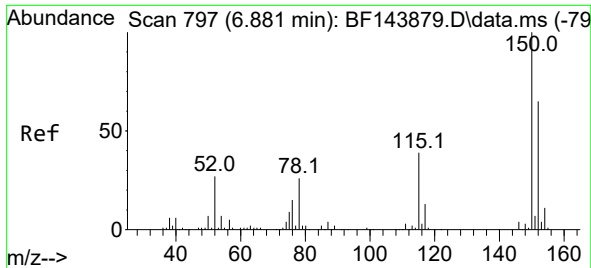
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
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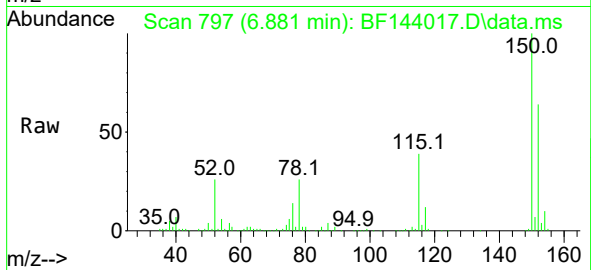
Quant Time: Oct 21 19:43:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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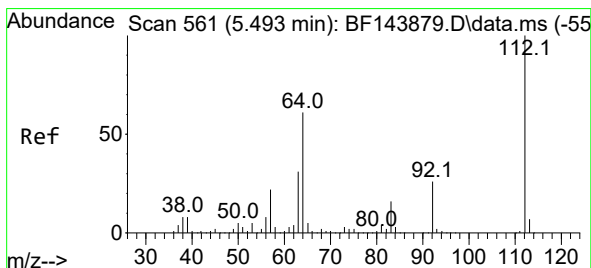
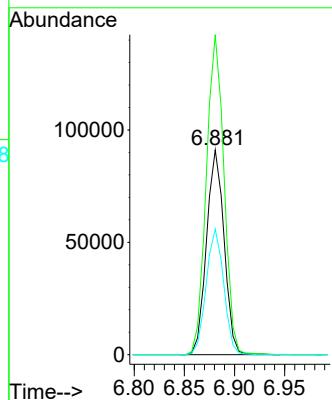
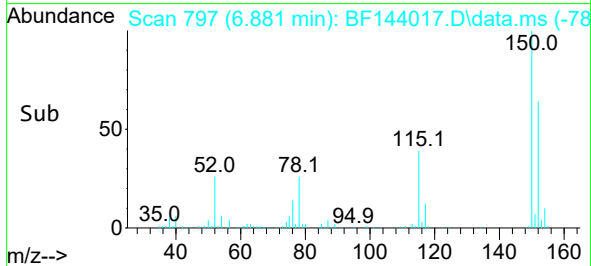


#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF144017.D
Acq: 21 Oct 2025 17:31

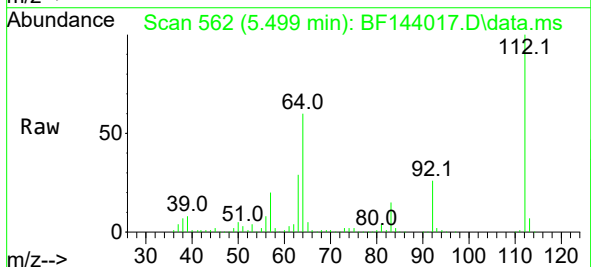
Instrument :
BNA_F
ClientSampleId :
PR132-S05-000057-20251016



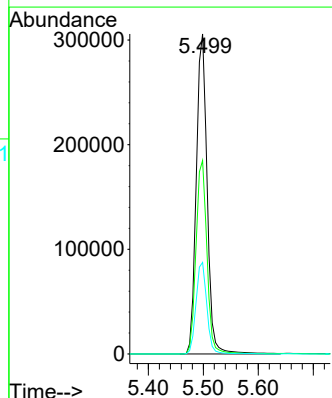
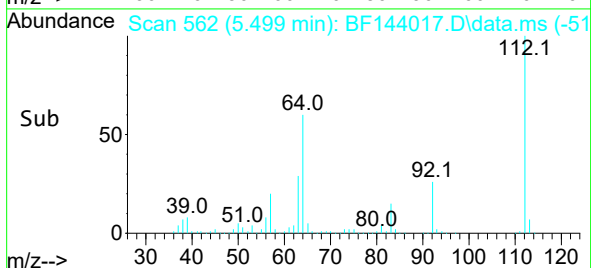
Tgt Ion:152 Resp: 111644
Ion Ratio Lower Upper
152 100
150 156.3 124.4 186.6
115 61.4 48.1 72.1

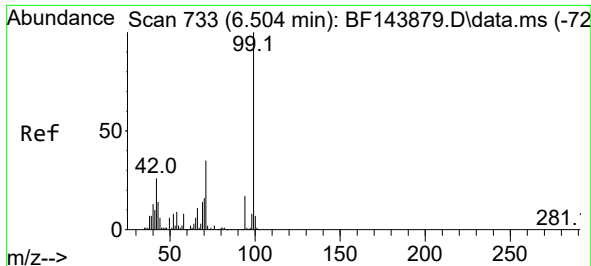


#5
2-Fluorophenol
Concen: 59.78 ng
RT: 5.499 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF144017.D
Acq: 21 Oct 2025 17:31



Tgt Ion:112 Resp: 420283
Ion Ratio Lower Upper
112 100
64 60.5 49.1 73.7
63 28.6 24.5 36.7

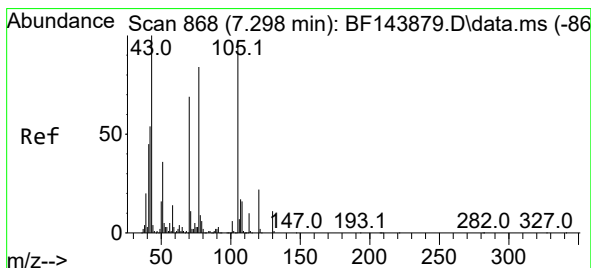
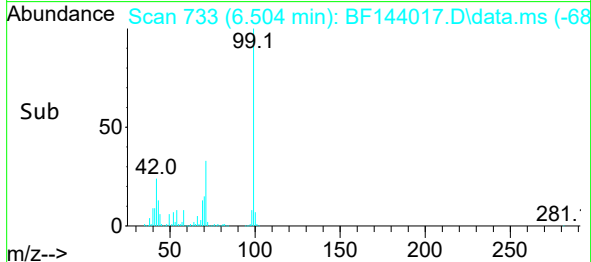
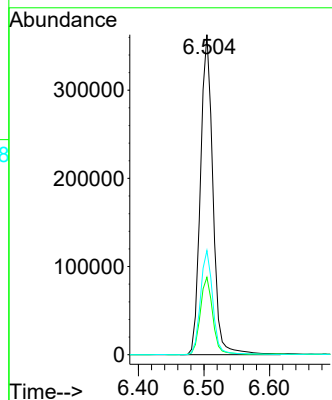
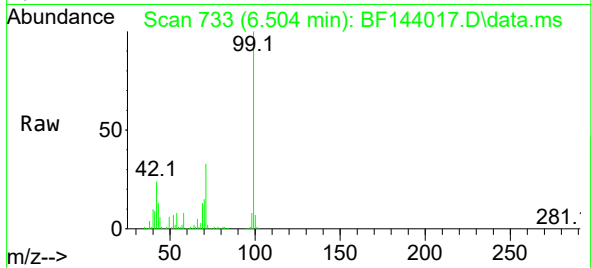




#7
Phenol-d6
Concen: 57.60 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF144017.D
Acq: 21 Oct 2025 17:31

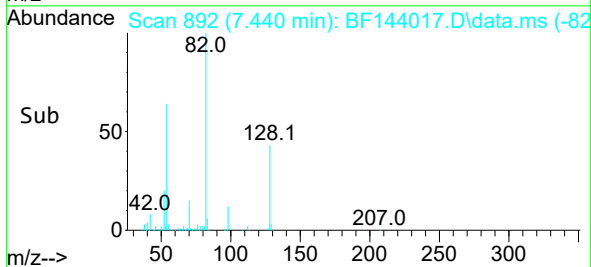
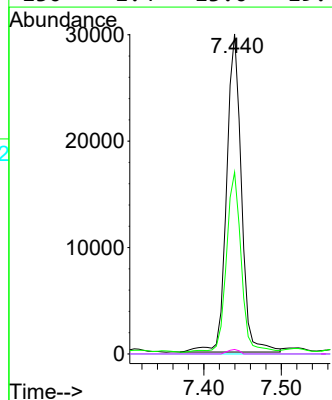
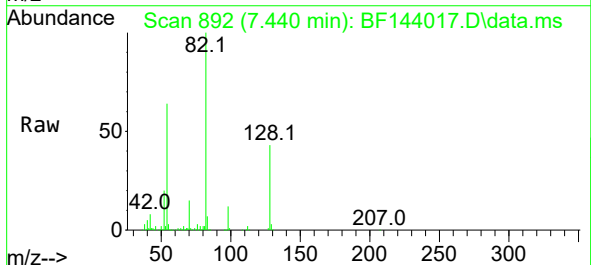
Instrument :
BNA_F
ClientSampleId :
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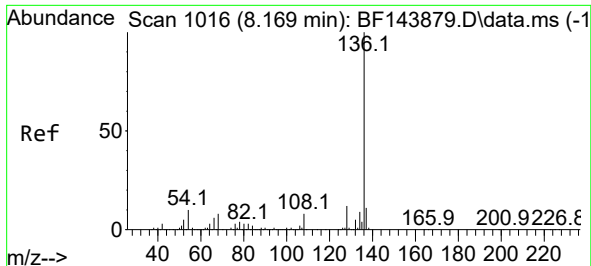
Tgt Ion: 99 Resp: 482723
Ion Ratio Lower Upper
99 100
42 24.2 21.0 31.4
71 32.6 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 6.95 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF144017.D
Acq: 21 Oct 2025 17:31

Tgt Ion: 70 Resp: 39889
Ion Ratio Lower Upper
70 100
42 56.8 62.8 94.2#
101 0.0 6.7 10.1#
130 1.4 13.0 19.4#

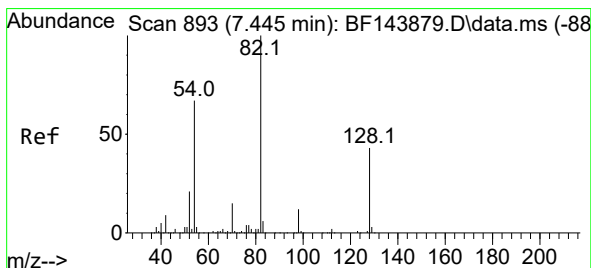
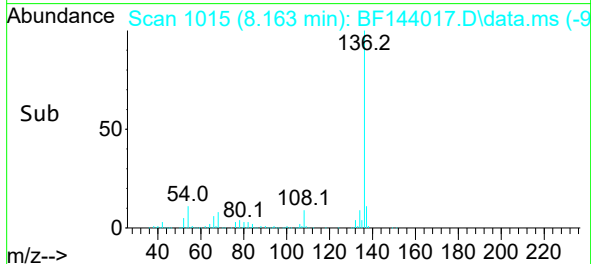
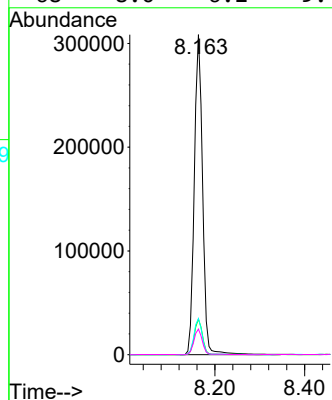
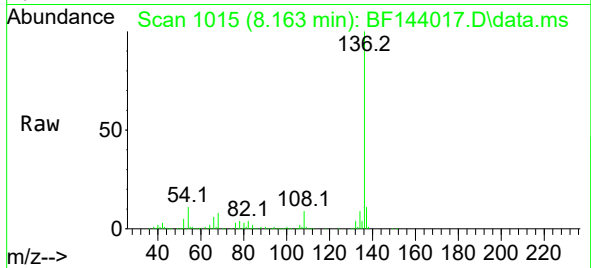




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF144017.D
Acq: 21 Oct 2025 17:31

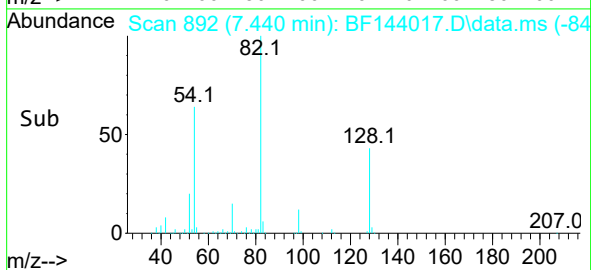
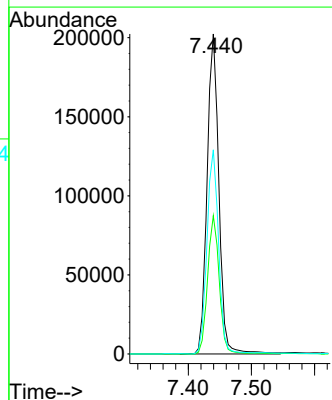
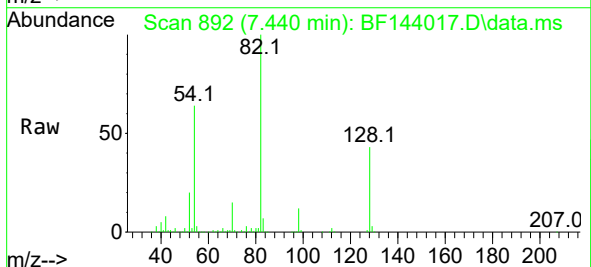
Instrument :
BNA_F
ClientSampleId :
PR132-S05-000057-20251016

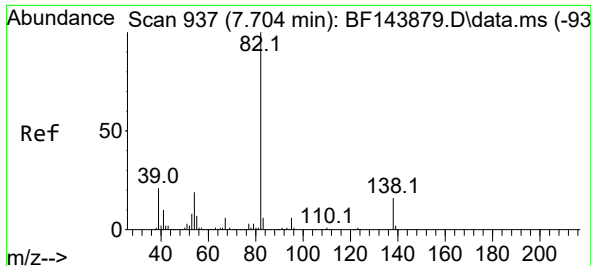
Tgt Ion:136 Resp: 395479
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 11.3 8.2 12.4
68 8.0 6.2 9.4



#23
Nitrobenzene-d5
Concen: 40.47 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.017 min
Lab File: BF144017.D
Acq: 21 Oct 2025 17:31

Tgt Ion: 82 Resp: 263431
Ion Ratio Lower Upper
82 100
128 43.2 34.0 51.0
54 63.8 53.2 79.8

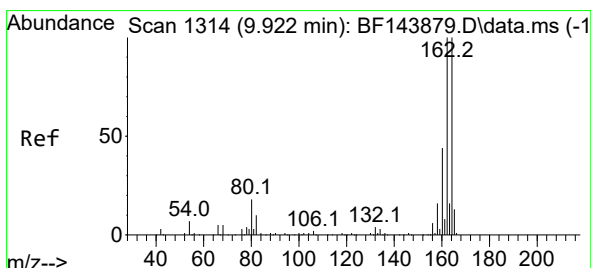
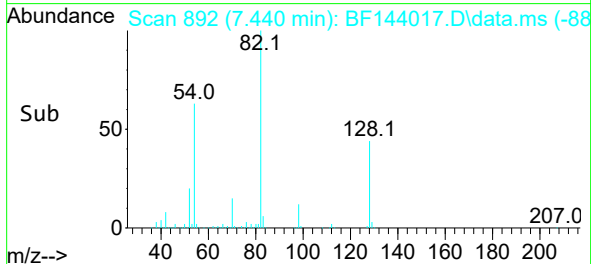
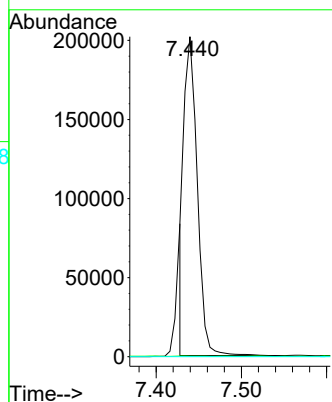
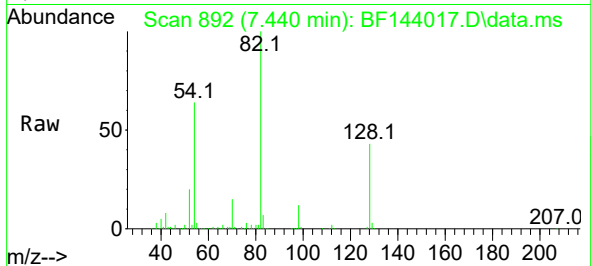




#25
Isophorone
Concen: 15.94 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.282 min
Lab File: BF144017.D
Acq: 21 Oct 2025 17:31

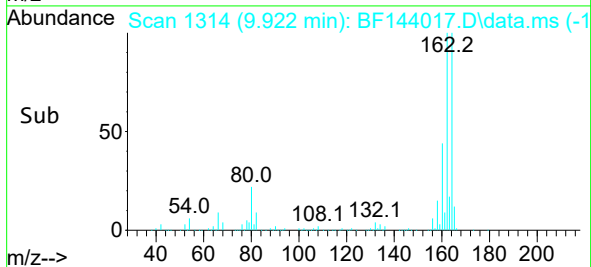
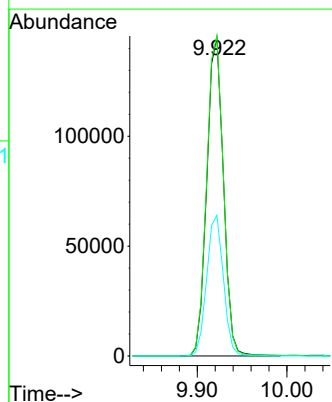
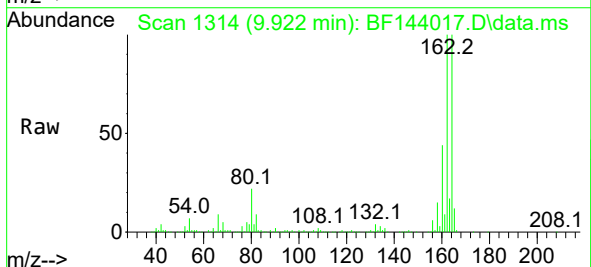
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PR132-S05-000057-20251016

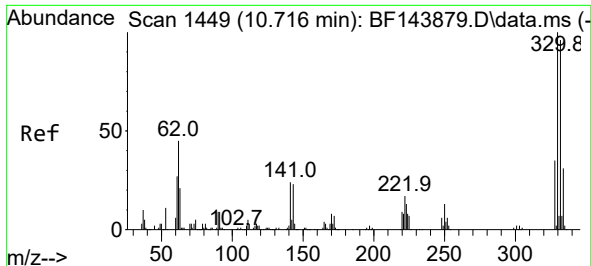
Tgt Ion: 82 Resp: 218844
Ion Ratio Lower Upper
82 100
95 0.1 5.1 7.7#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF144017.D
Acq: 21 Oct 2025 17:31

Tgt Ion:164 Resp: 186629
Ion Ratio Lower Upper
164 100
162 100.4 80.2 120.2
160 44.1 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 47.60 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF144017.D

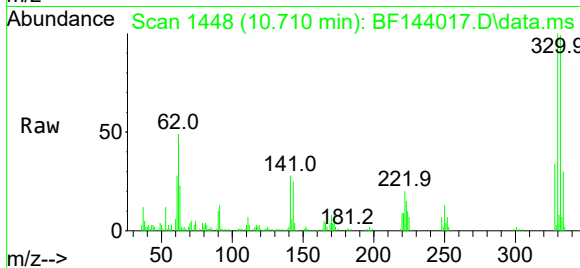
Acq: 21 Oct 2025 17:31

Instrument :

BNA_F

ClientSampleId :

PR132-S05-000057-20251016



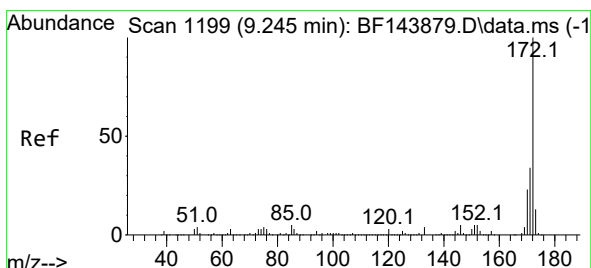
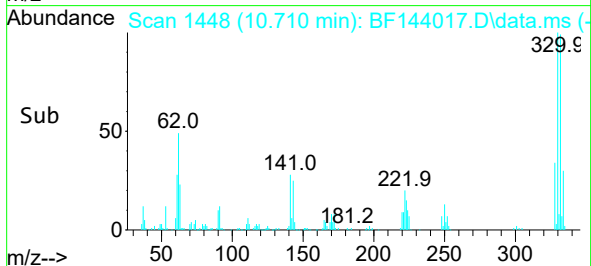
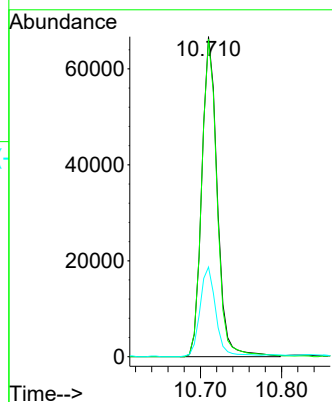
Tgt Ion:330 Resp: 88473

Ion Ratio Lower Upper

330 100

332 98.4 76.9 115.3

141 28.9 20.2 30.4



#45

2-Fluorobiphenyl

Concen: 36.79 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.011 min

Lab File: BF144017.D

Acq: 21 Oct 2025 17:31

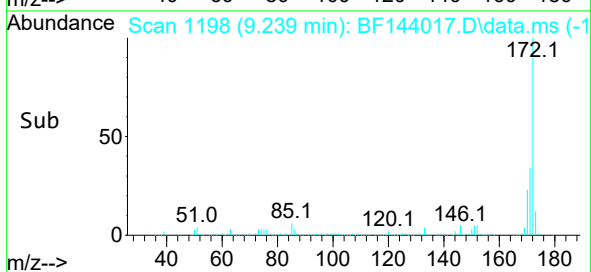
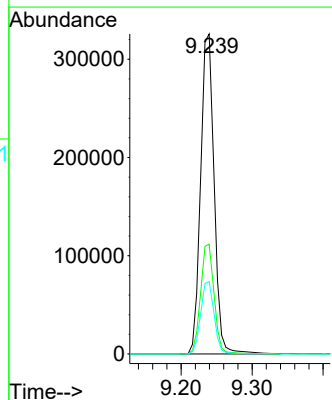
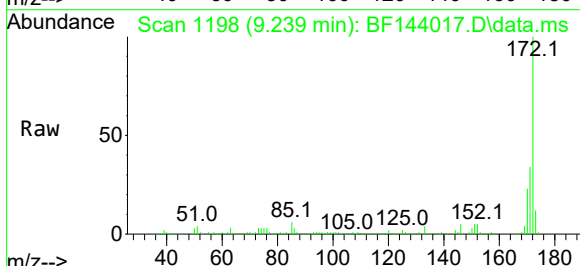
Tgt Ion:172 Resp: 432755

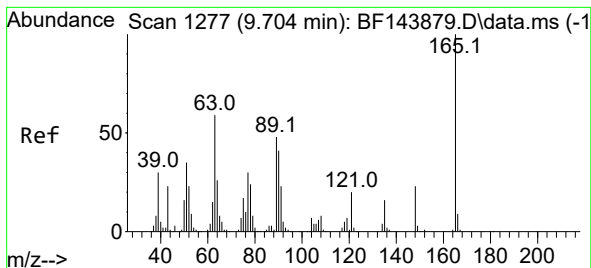
Ion Ratio Lower Upper

172 100

171 34.4 27.4 41.0

170 22.7 18.6 28.0





#51

2,6-Dinitrotoluene

Concen: 11.09 ng

RT: 9.922 min Scan# 1314

Delta R.T. 0.206 min

Lab File: BF144017.D

Acq: 21 Oct 2025 17:31

Instrument :

BNA_F

ClientSampleId :

PR132-S05-000057-20251016

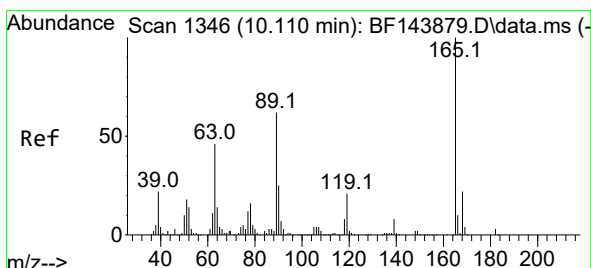
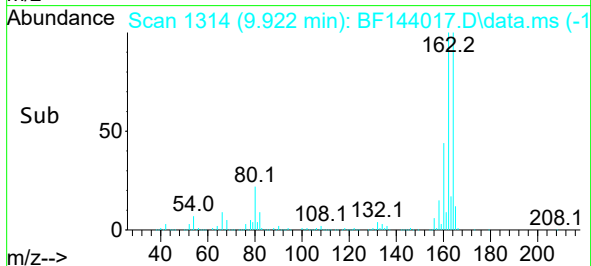
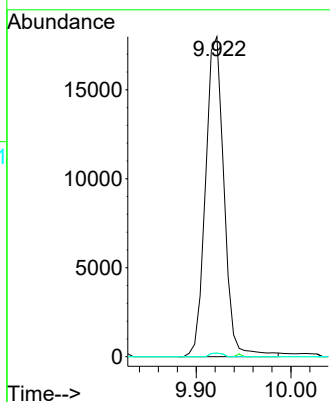
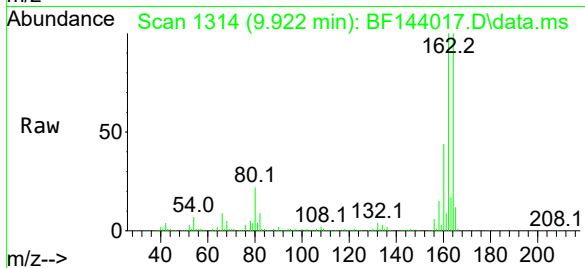
Tgt Ion:165 Resp: 24368

Ion Ratio Lower Upper

165 100

63 1.1 47.3 70.9#

89 1.0 38.2 57.4#



#57

2,4-Dinitrotoluene

Concen: 8.21 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.194 min

Lab File: BF144017.D

Acq: 21 Oct 2025 17:31

Tgt Ion:165 Resp: 24553

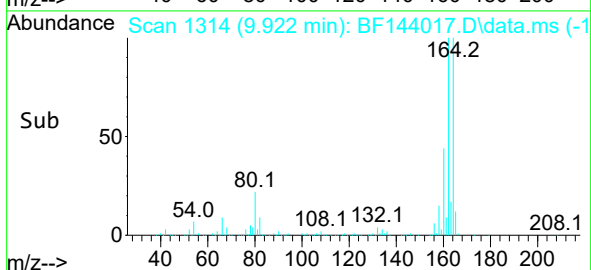
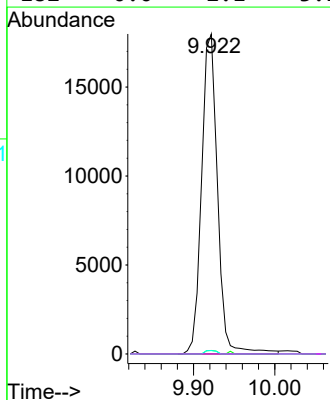
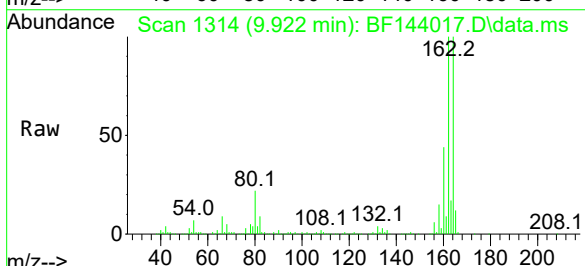
Ion Ratio Lower Upper

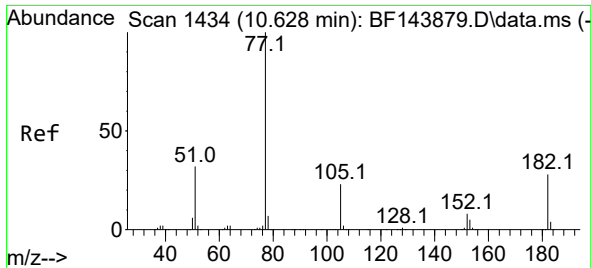
165 100

63 1.1 37.2 55.8#

89 1.0 49.4 74.2#

182 0.0 2.1 3.1#

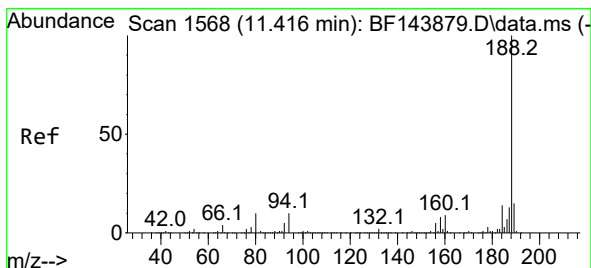
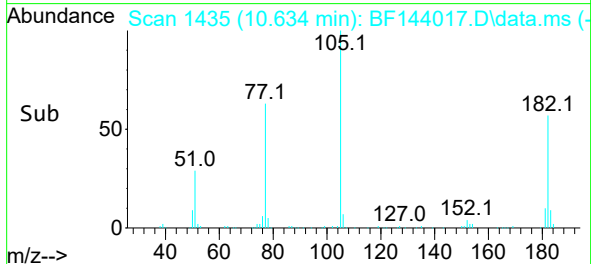
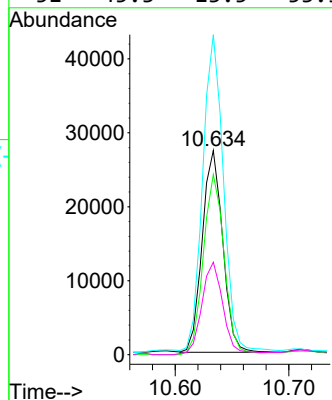
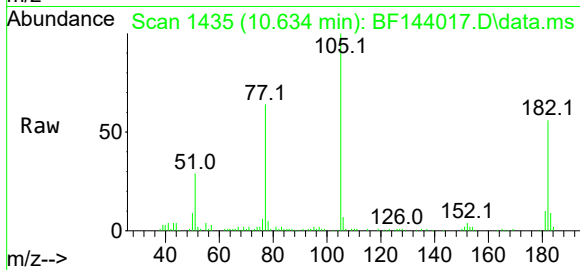




#63
 Azobenzene
 Concen: 2.97 ng
 RT: 10.634 min Scan# 1434
 Delta R.T. 0.000 min
 Lab File: BF144017.D
 Acq: 21 Oct 2025 17:31

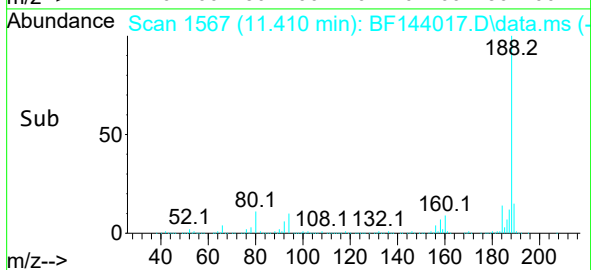
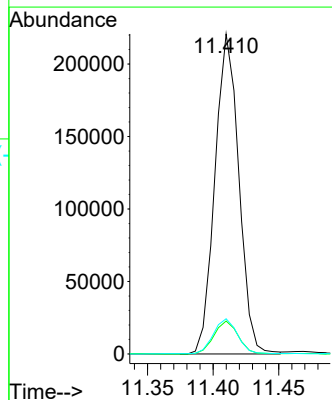
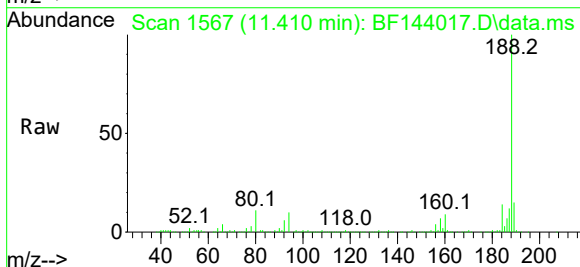
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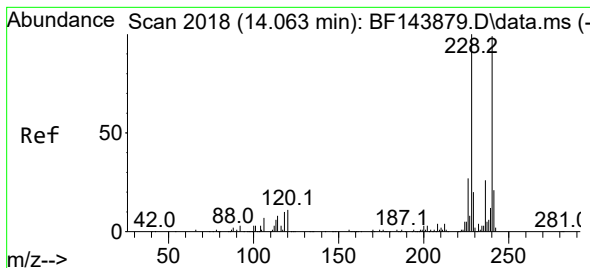
Tgt Ion: 77	Resp: 34228
Ion Ratio	Lower Upper
77 100	
182 88.3	7.3 47.3#
105 156.8	3.0 43.0#
51 45.3	13.5 53.5



#64
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.410 min Scan# 1567
 Delta R.T. -0.006 min
 Lab File: BF144017.D
 Acq: 21 Oct 2025 17:31

Tgt Ion: 188	Resp: 279883
Ion Ratio	Lower Upper
188 100	
94 10.3	7.8 11.6
80 11.0	7.9 11.9





#76

Chrysene-d12

Concen: 20.00 ng

RT: 14.057 min Scan# 20

Delta R.T. -0.011 min

Lab File: BF144017.D

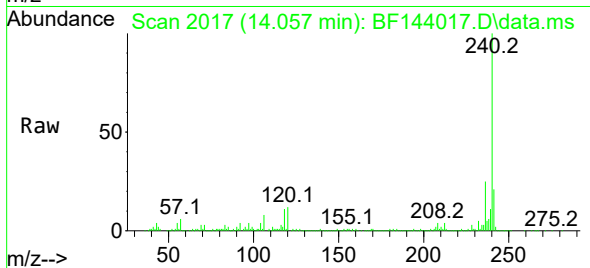
Acq: 21 Oct 2025 17:31

Instrument :

BNA_F

ClientSampleId :

PR132-S05-000057-20251016



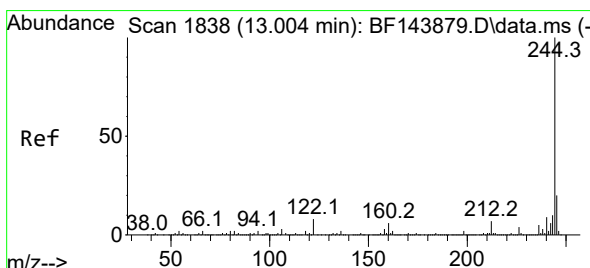
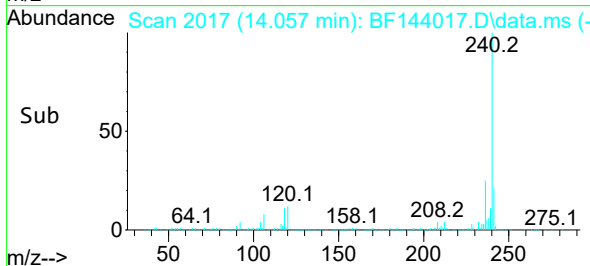
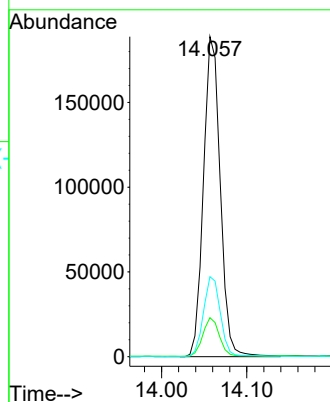
Tgt Ion:240 Resp: 258346

Ion Ratio Lower Upper

240 100

120 12.2 8.6 13.0

236 25.0 21.1 31.7



#79

Terphenyl-d14

Concen: 23.43 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.012 min

Lab File: BF144017.D

Acq: 21 Oct 2025 17:31

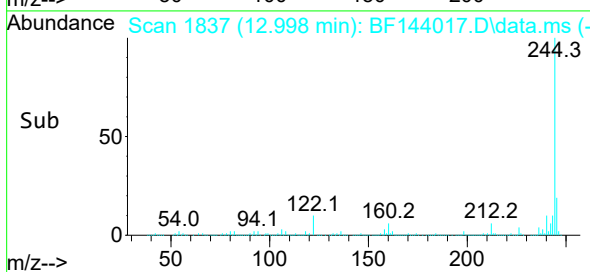
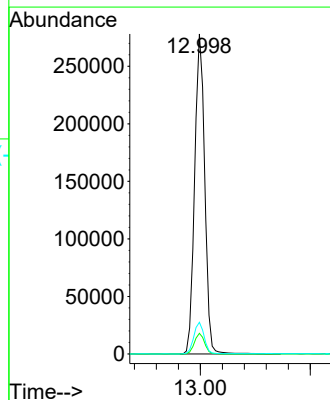
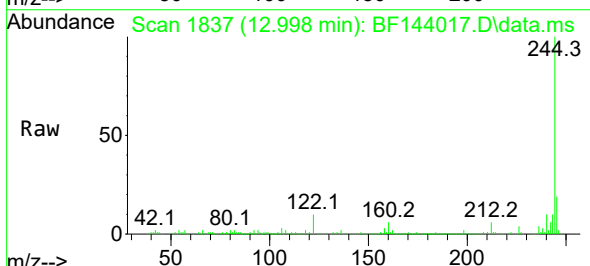
Tgt Ion:244 Resp: 354121

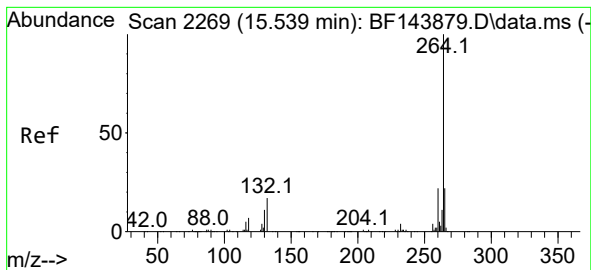
Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

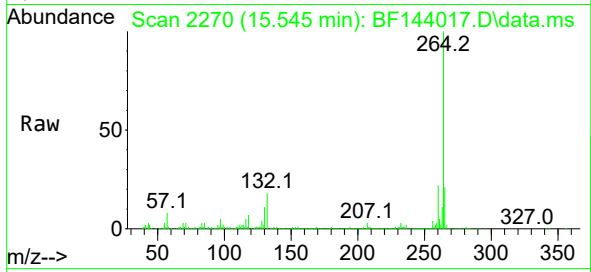
122 9.9 6.4 9.6#





#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.545 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF144017.D
 Acq: 21 Oct 2025 17:31

Instrument :
 BNA_F
 ClientSampleId :
 PR132-S05-000057-20251016



Tgt Ion:264 Resp: 324753
 Ion Ratio Lower Upper
 264 100
 260 22.4 17.8 26.8
 265 21.4 17.5 26.3

