

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
 Data File : BF144037.D
 Acq On : 22 Oct 2025 12:55
 Operator : RC/JU
 Sample : Q3393-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PR132-S06-000021-20251017

Quant Time: Oct 22 13:25:33 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)

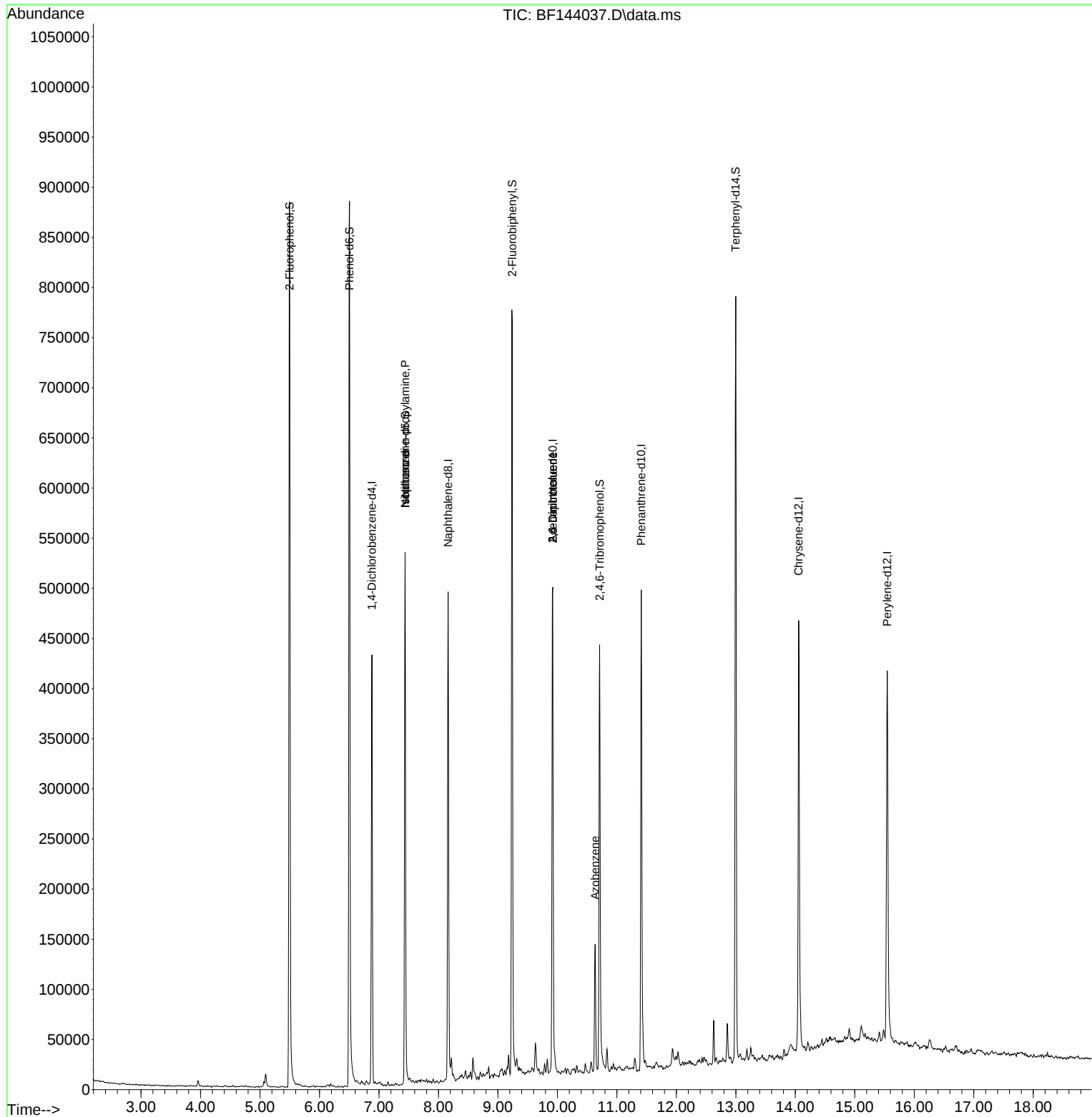
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	86146	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	309033	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	160156	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	262433	20.000	ng	0.00
76) Chrysene-d12	14.057	240	218012	20.000	ng	-0.01
86) Perylene-d12	15.545	264	261186	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	373253	68.804	ng	0.00
7) Phenol-d6	6.504	99	416805	64.459	ng	-0.01
23) Nitrobenzene-d5	7.440	82	229915	45.200	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	81305	50.969	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	387848	38.426	ng	-0.01
79) Terphenyl-d14	12.998	244	388948	30.491	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	33731	7.621	ng	# 78
25) Isophorone	7.440	82	189268	17.647	ng	# 68
51) 2,6-Dinitrotoluene	9.922	165	20479	10.859	ng	# 26
57) 2,4-Dinitrotoluene	9.922	165	20535	8.003	ng	# 26
63) Azobenzene	10.633	77	36505	3.697	ng	# 1

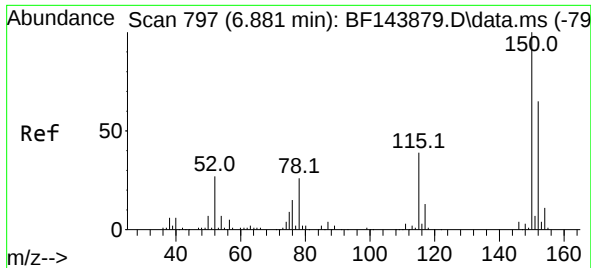
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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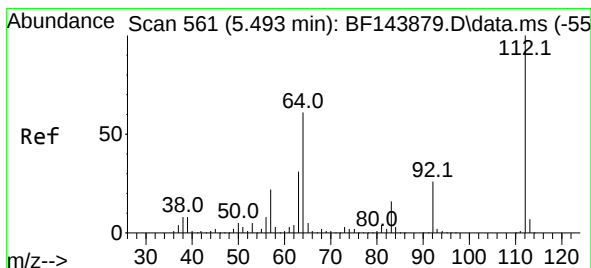
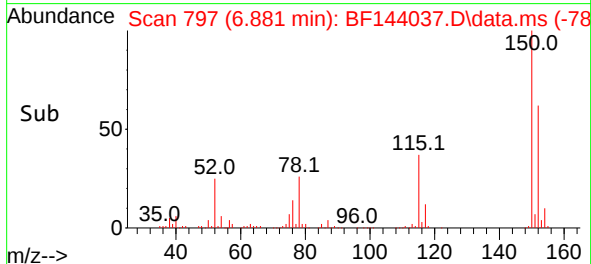
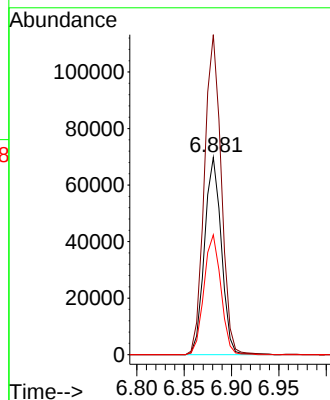
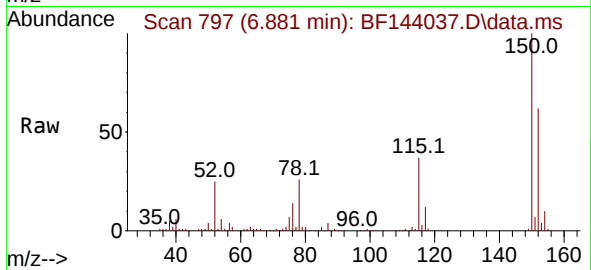




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.005 min
Lab File: BF144037.D
Acq: 22 Oct 2025 12:55

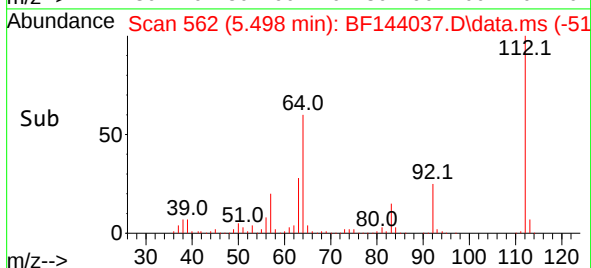
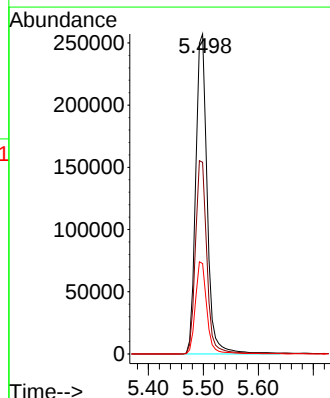
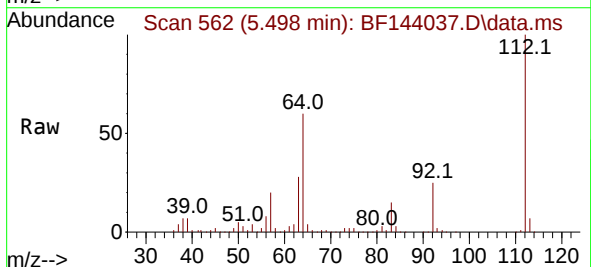
Instrument :
BNA_F
ClientSampleId :
PR132-S06-000021-20251017

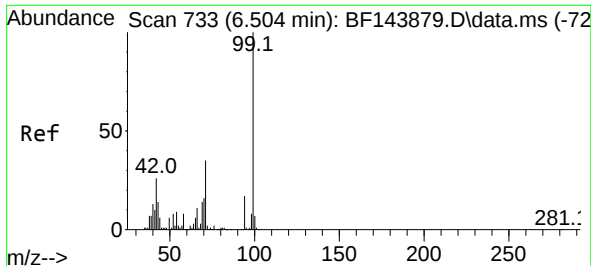
Tgt Ion:152 Resp: 86146
Ion Ratio Lower Upper
152 100
150 162.2 124.4 186.6
115 60.7 48.1 72.1



#5
2-Fluorophenol
Concen: 68.804 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF144037.D
Acq: 22 Oct 2025 12:55

Tgt Ion:112 Resp: 373253
Ion Ratio Lower Upper
112 100
64 59.9 49.1 73.7
63 28.3 24.5 36.7

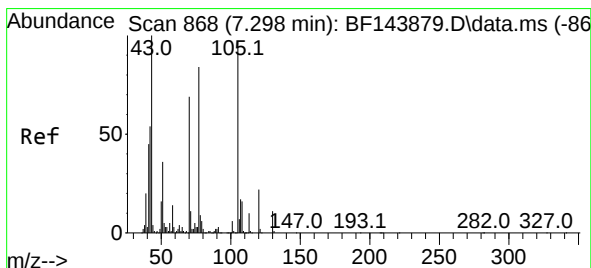
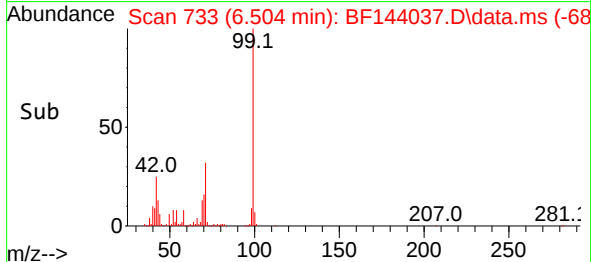
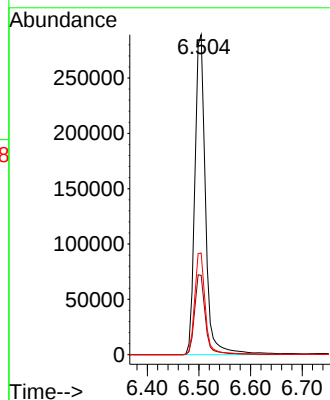
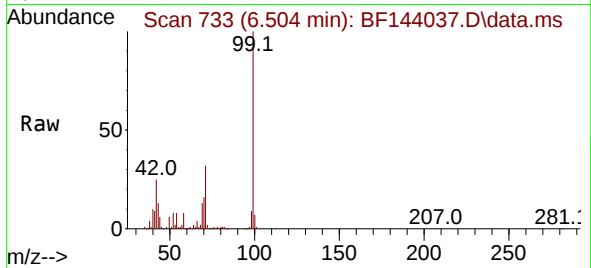




#7
Phenol-d6
Concen: 64.459 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF144037.D
Acq: 22 Oct 2025 12:55

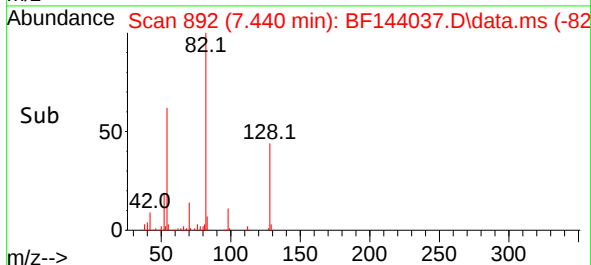
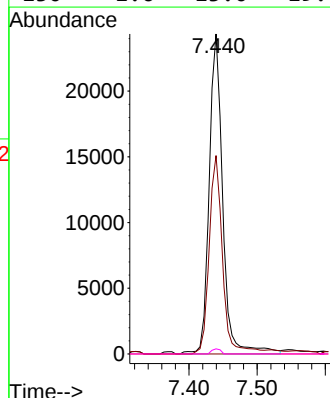
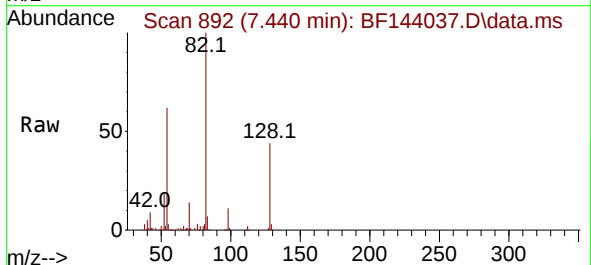
Instrument :
BNA_F
ClientSampleId :
PR132-S06-000021-20251017

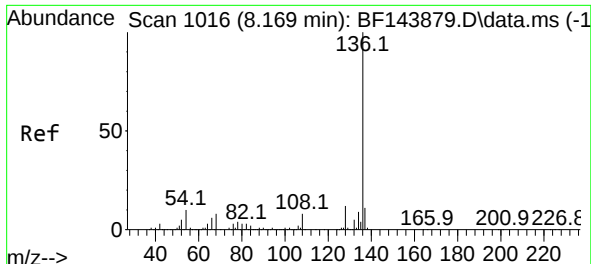
Tgt Ion:	99	Resp:	416805
Ion	Ratio	Lower	Upper
99	100		
42	24.8	21.0	31.4
71	31.7	27.8	41.8



#19
n-Nitroso-di-n-propylamine
Concen: 7.621 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF144037.D
Acq: 22 Oct 2025 12:55

Tgt Ion:	70	Resp:	33731
Ion	Ratio	Lower	Upper
70	100		
42	62.0	62.8	94.2#
101	0.0	6.7	10.1#
130	1.6	13.0	19.4#



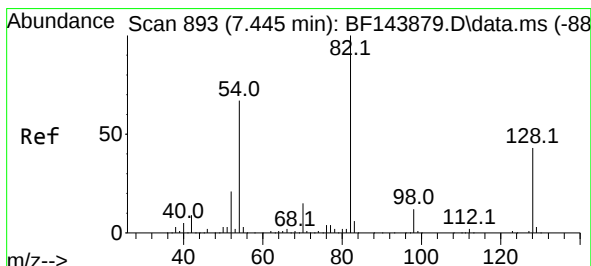
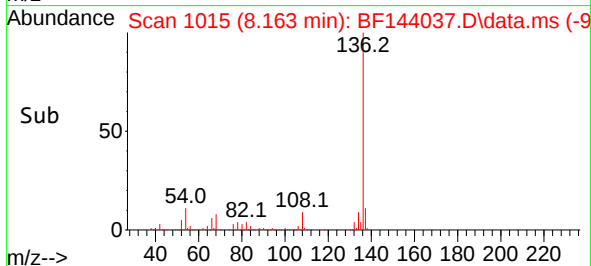
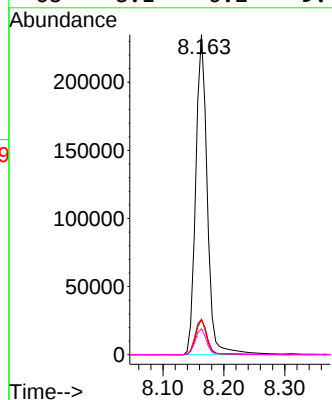
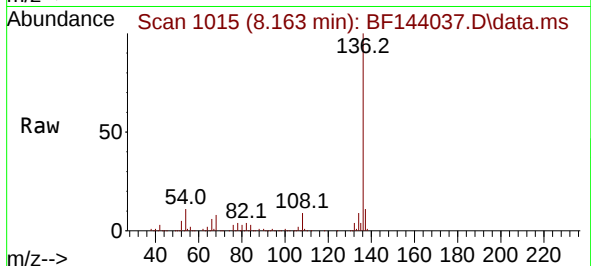


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF144037.D
Acq: 22 Oct 2025 12:55

Instrument :
BNA_F
ClientSampleId :
PR132-S06-000021-20251017

Tgt Ion:136 Resp: 309033

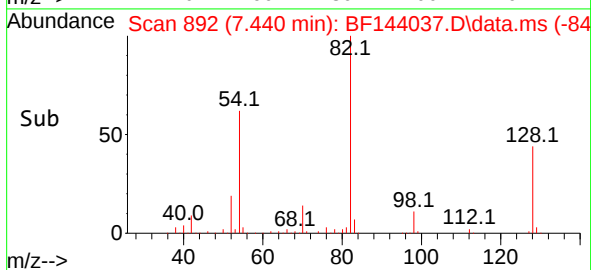
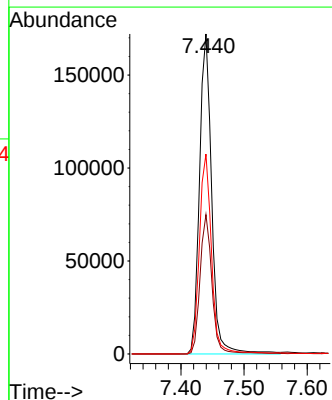
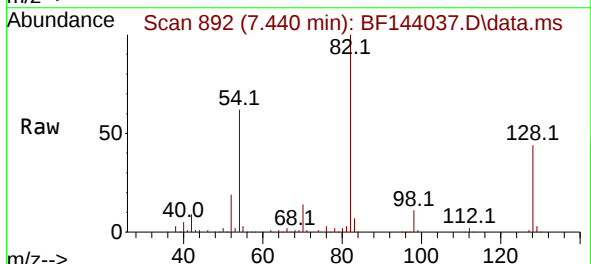
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	11.1	8.2	12.4
68	8.1	6.2	9.4

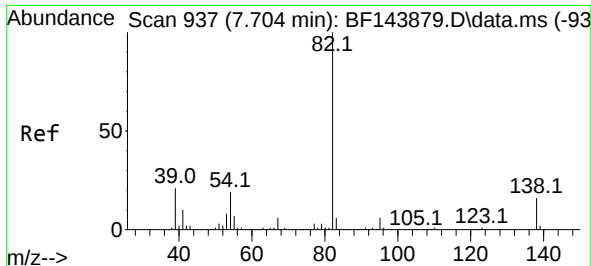


#23
Nitrobenzene-d5
Concen: 45.200 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.017 min
Lab File: BF144037.D
Acq: 22 Oct 2025 12:55

Tgt Ion: 82 Resp: 229915

Ion	Ratio	Lower	Upper
82	100		
128	43.5	34.0	51.0
54	62.5	53.2	79.8

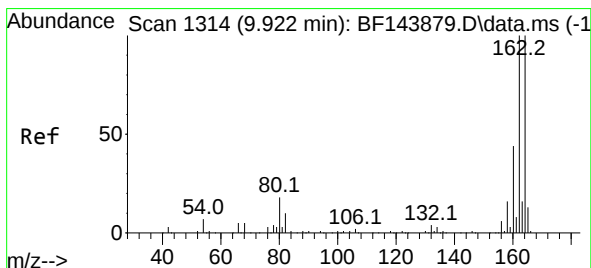
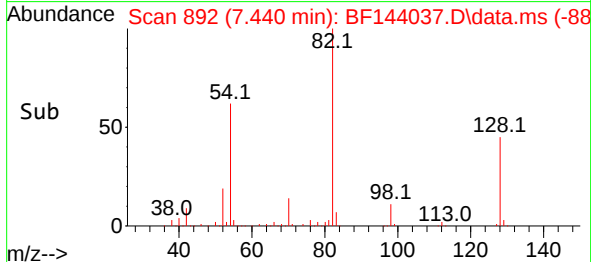
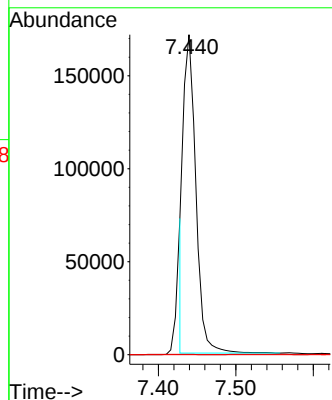
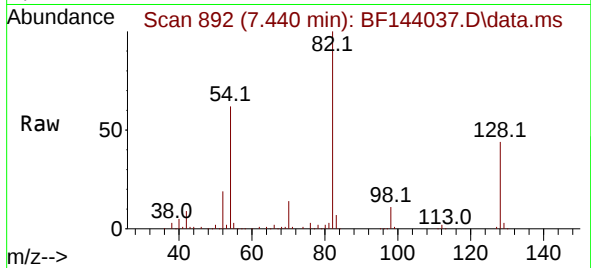




#25
Isophorone
Concen: 17.647 ng
RT: 7.440 min Scan# 89
Delta R.T. -0.282 min
Lab File: BF144037.D
Acq: 22 Oct 2025 12:55

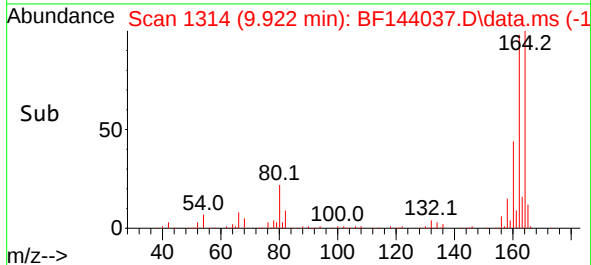
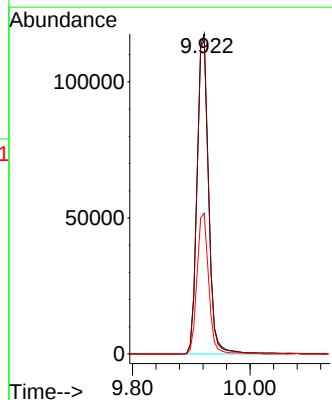
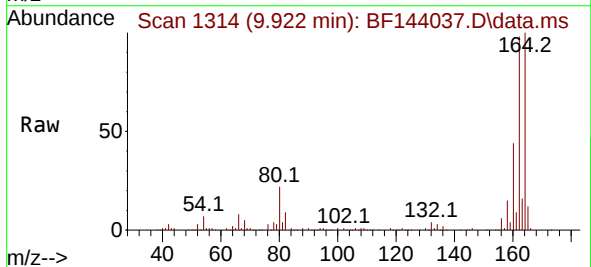
Instrument :
BNA_F
ClientSampleId :
PR132-S06-000021-20251017

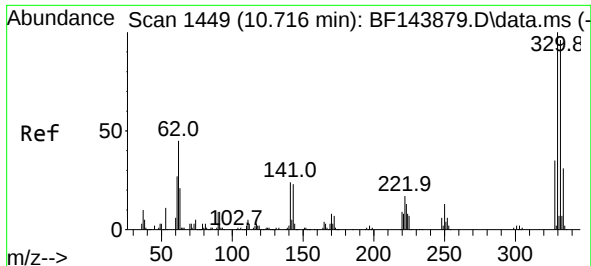
Tgt Ion: 82 Resp: 189268
Ion Ratio Lower Upper
82 100
95 0.1 5.1 7.7#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF144037.D
Acq: 22 Oct 2025 12:55

Tgt Ion:164 Resp: 160156
Ion Ratio Lower Upper
164 100
162 98.1 80.2 120.2
160 44.0 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 50.969 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.012 min

Lab File: BF144037.D

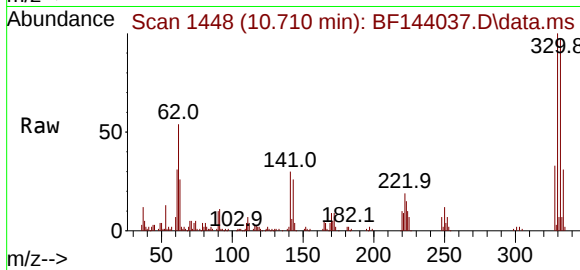
Acq: 22 Oct 2025 12:55

Instrument :

BNA_F

ClientSampleId :

PR132-S06-000021-20251017



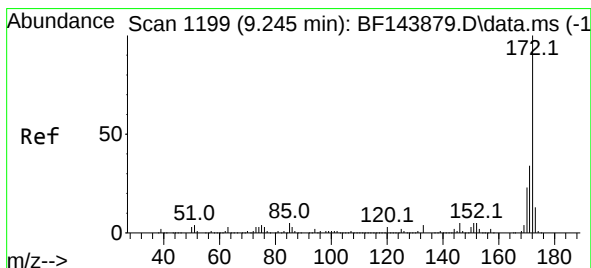
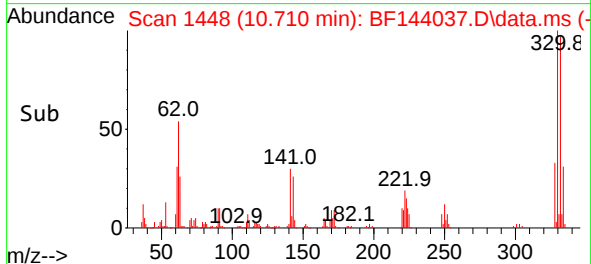
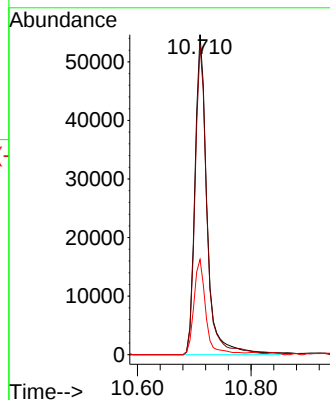
Tgt Ion:330 Resp: 81305

Ion Ratio Lower Upper

330 100

332 96.4 76.9 115.3

141 29.3 20.2 30.4



#45

2-Fluorobiphenyl

Concen: 38.426 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF144037.D

Acq: 22 Oct 2025 12:55

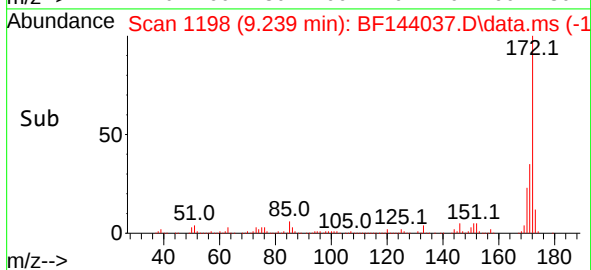
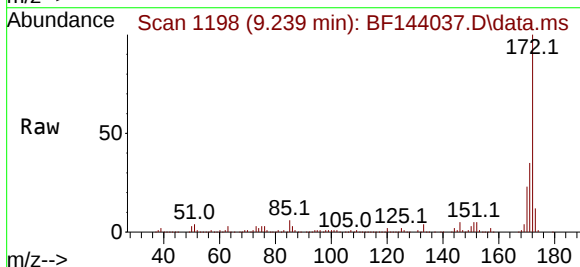
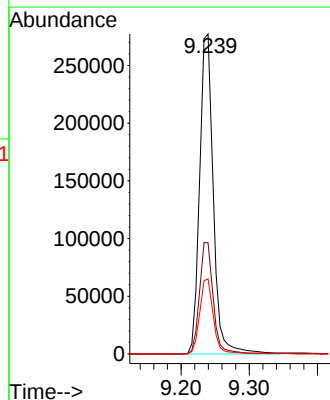
Tgt Ion:172 Resp: 387848

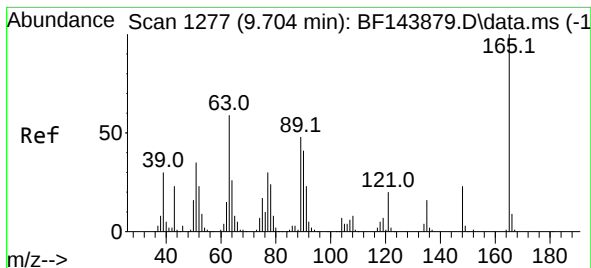
Ion Ratio Lower Upper

172 100

171 34.8 27.4 41.0

170 23.4 18.6 28.0





#51

2,6-Dinitrotoluene

Concen: 10.859 ng

RT: 9.922 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF144037.D

Acq: 22 Oct 2025 12:55

Instrument :

BNA_F

ClientSampleId :

PR132-S06-000021-20251017

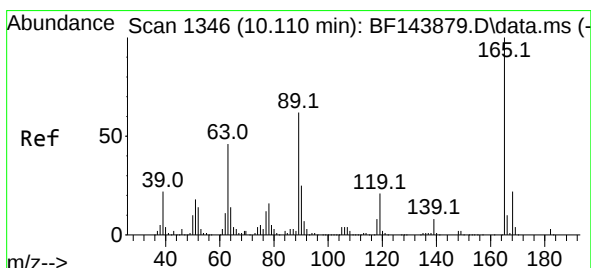
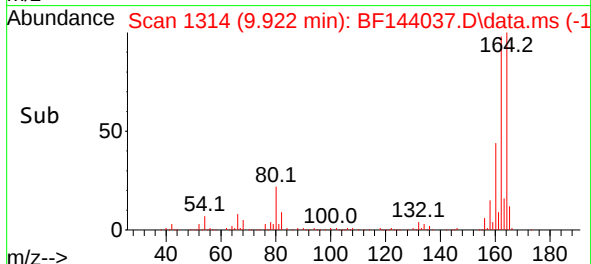
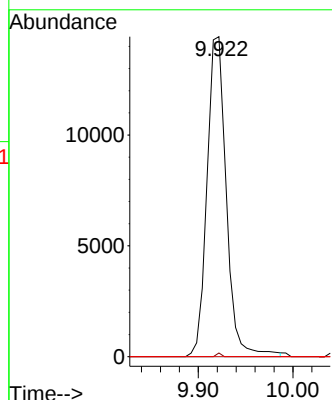
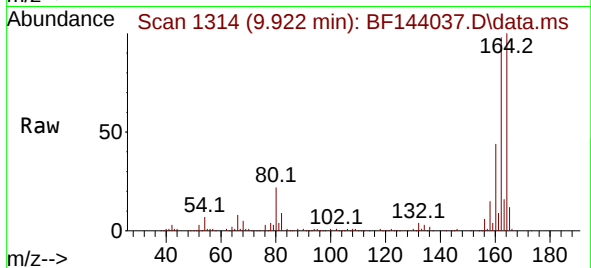
Tgt Ion:165 Resp: 20479

Ion Ratio Lower Upper

165 100

63 1.1 47.3 70.9#

89 0.0 38.2 57.4#



#57

2,4-Dinitrotoluene

Concen: 8.003 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.194 min

Lab File: BF144037.D

Acq: 22 Oct 2025 12:55

Tgt Ion:165 Resp: 20535

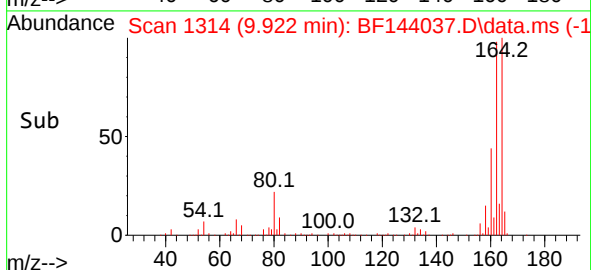
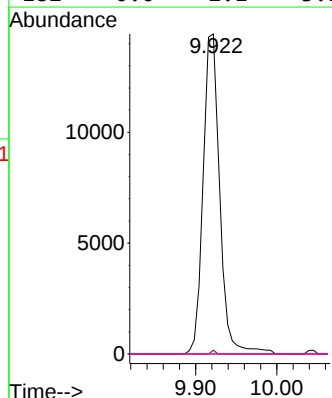
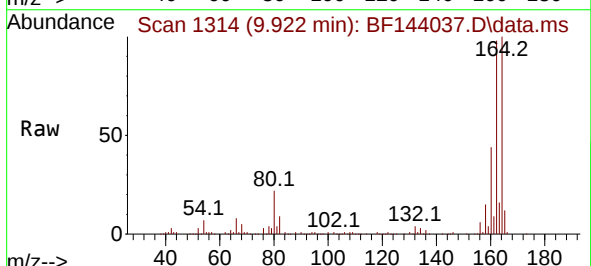
Ion Ratio Lower Upper

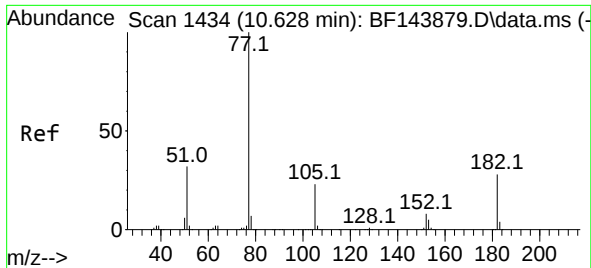
165 100

63 1.1 37.2 55.8#

89 0.0 49.4 74.2#

182 0.0 2.1 3.1#

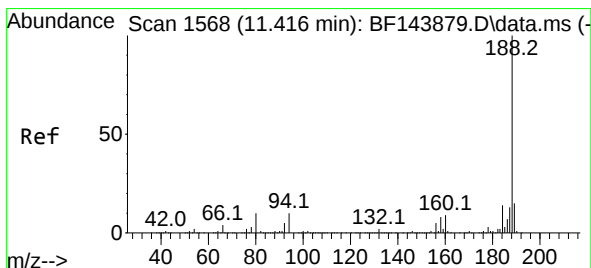
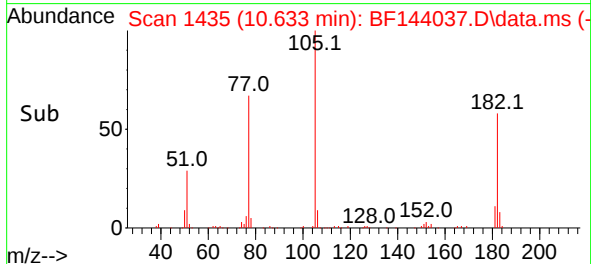
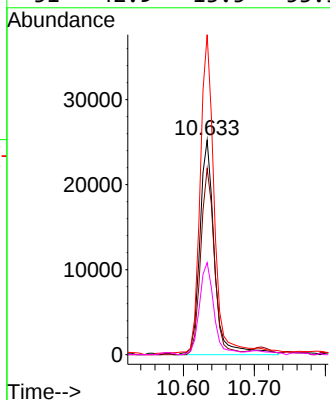
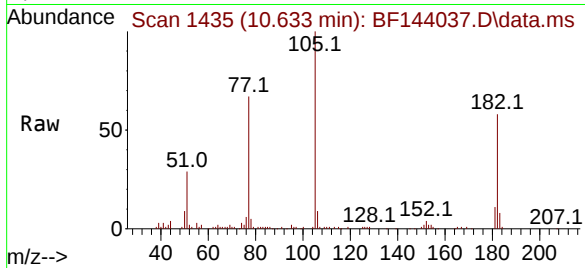




#63
Azobenzene
Concen: 3.697 ng
RT: 10.633 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144037.D
Acq: 22 Oct 2025 12:55

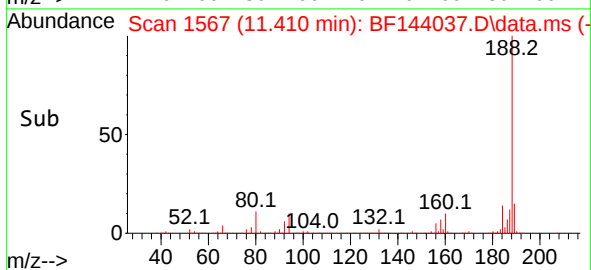
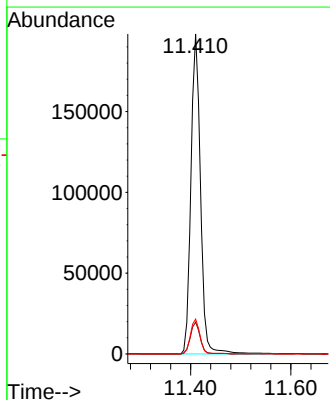
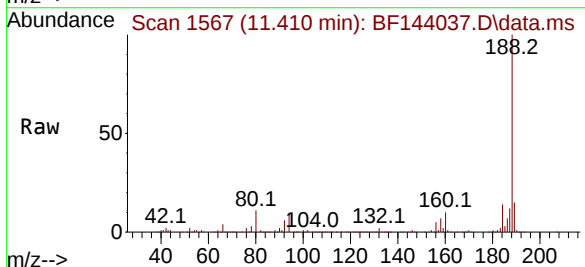
Instrument :
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PR132-S06-000021-20251017

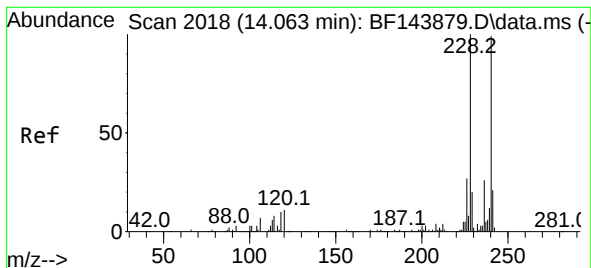
Tgt Ion: 77	Resp: 36505
Ion Ratio	Lower Upper
77 100	
182 86.8	7.3 47.3#
105 149.1	3.0 43.0#
51 42.9	13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF144037.D
Acq: 22 Oct 2025 12:55

Tgt Ion: 188	Resp: 262433
Ion Ratio	Lower Upper
188 100	
94 9.9	7.8 11.6
80 10.9	7.9 11.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 20

Delta R.T. -0.011 min

Lab File: BF144037.D

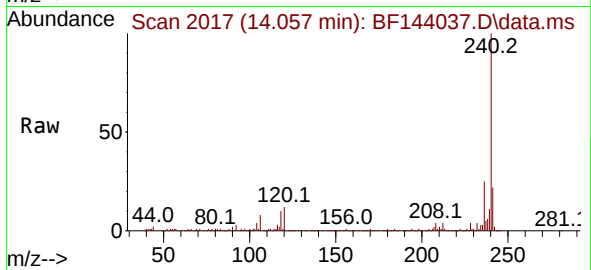
Acq: 22 Oct 2025 12:55

Instrument :

BNA_F

ClientSampleId :

PR132-S06-000021-20251017



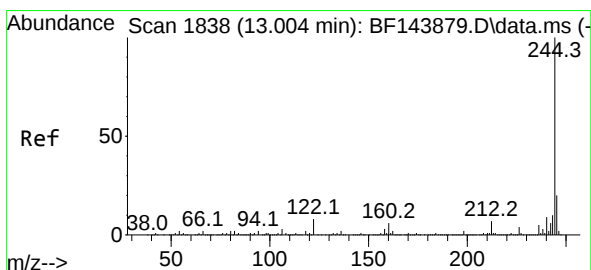
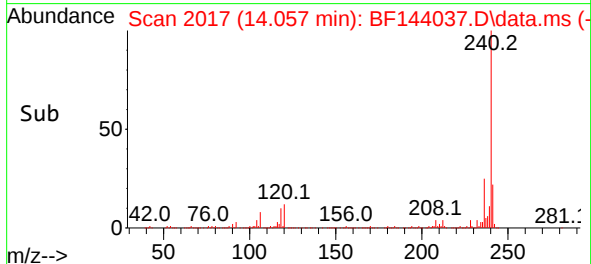
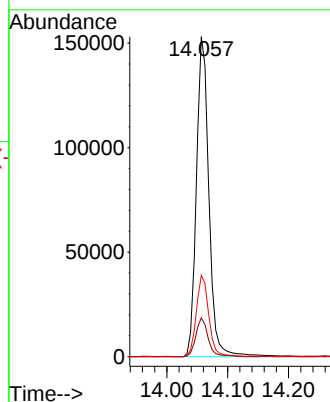
Tgt Ion:240 Resp: 218012

Ion Ratio Lower Upper

240 100

120 12.2 8.6 13.0

236 25.4 21.1 31.7



#79

Terphenyl-d14

Concen: 30.491 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.012 min

Lab File: BF144037.D

Acq: 22 Oct 2025 12:55

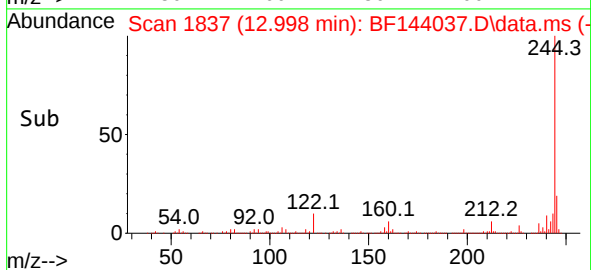
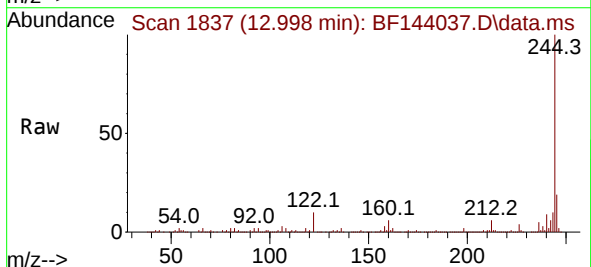
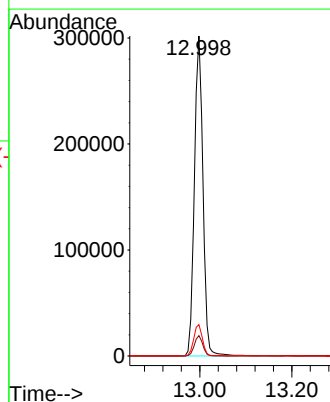
Tgt Ion:244 Resp: 388948

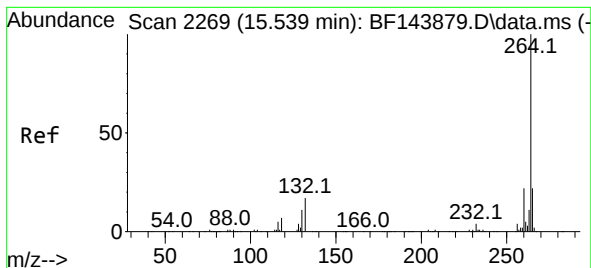
Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

122 9.8 6.4 9.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF144037.D

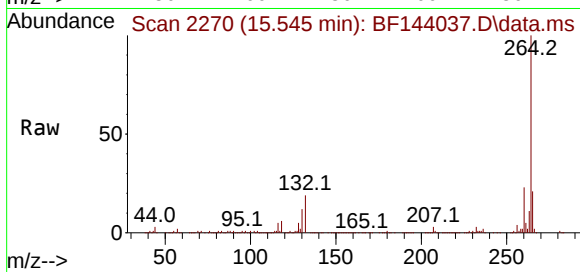
Acq: 22 Oct 2025 12:55

Instrument :

BNA_F

ClientSampleId :

PR132-S06-000021-20251017



Tgt Ion:264 Resp: 261186

Ion Ratio Lower Upper

264 100

260 23.1 17.8 26.8

265 20.9 17.5 26.3

