

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
 Data File : BF144026.D
 Acq On : 21 Oct 2025 21:55
 Operator : RC/JU
 Sample : Q3402-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 22 11:13:05 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)

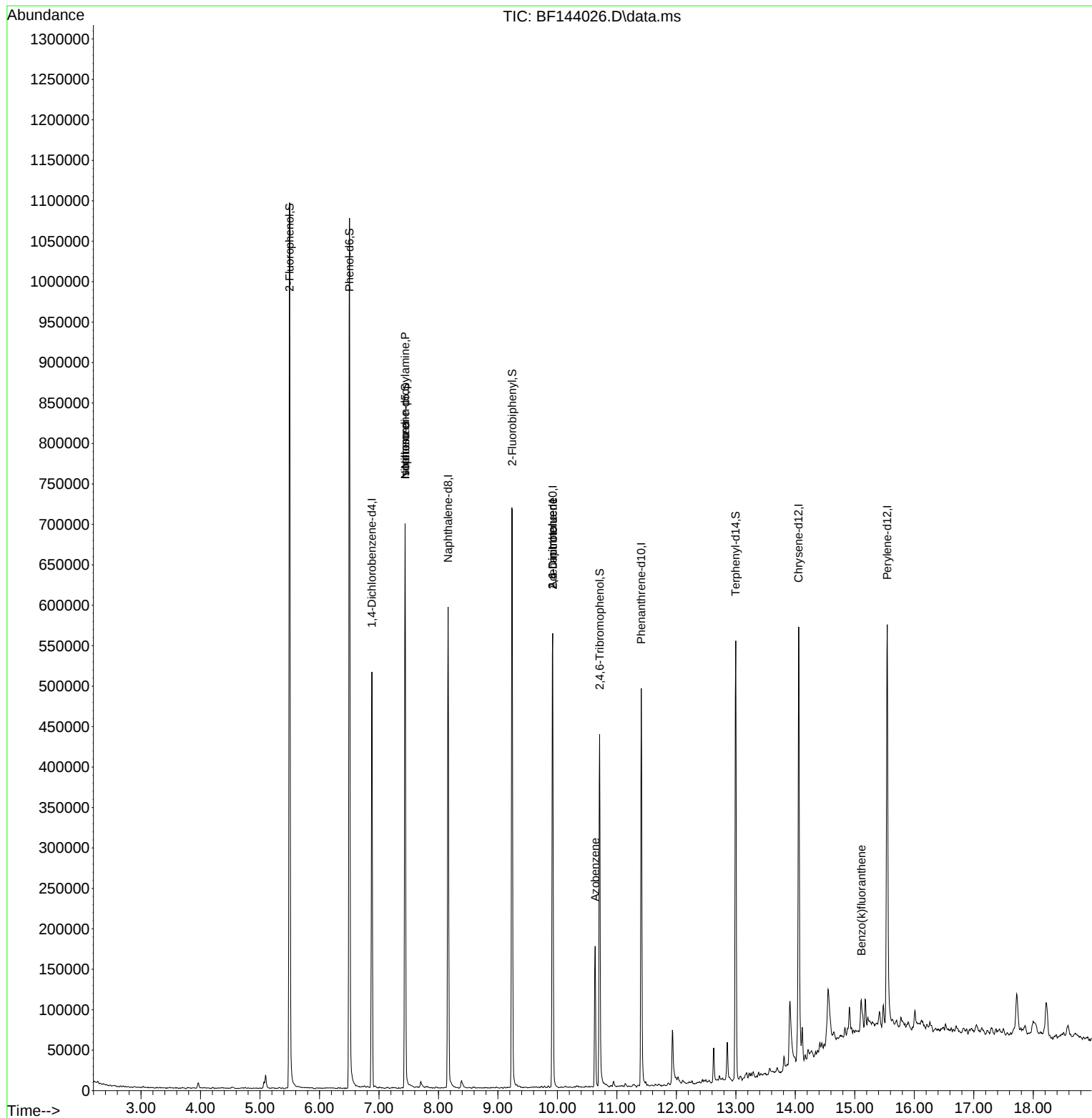
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.880	152	104084	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	375961	20.000	ng	0.00
39) Acenaphthene-d10	9.921	164	176907	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	260999	20.000	ng	0.00
76) Chrysene-d12	14.056	240	254790	20.000	ng	-0.01
86) Perylene-d12	15.545	264	315809	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	431671	65.859	ng	0.00
7) Phenol-d6	6.504	99	488994	62.590	ng	-0.01
23) Nitrobenzene-d5	7.439	82	292037	47.193	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	81006	45.973	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	363077	32.566	ng	-0.01
79) Terphenyl-d14	12.998	244	278201	18.661	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	40340	7.543	ng	# 78
25) Isophorone	7.439	82	245130	18.787	ng	# 68
51) 2,6-Dinitrotoluene	9.921	165	22280	10.695	ng	# 26
57) 2,4-Dinitrotoluene	9.921	165	22280	7.860	ng	# 26
63) Azobenzene	10.633	77	44584	4.087	ng	# 1
89) Benzo(k)fluoranthene	15.109	252	34504	2.055	ng	# 93

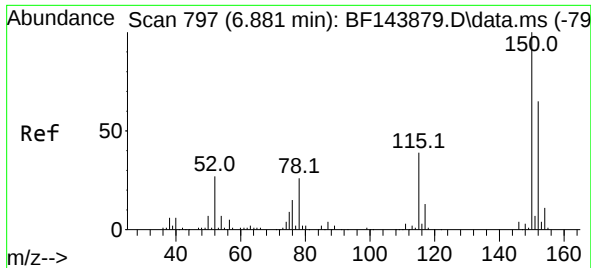
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144026.D
Acq On : 21 Oct 2025 21:55
Operator : RC/JU
Sample : Q3402-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

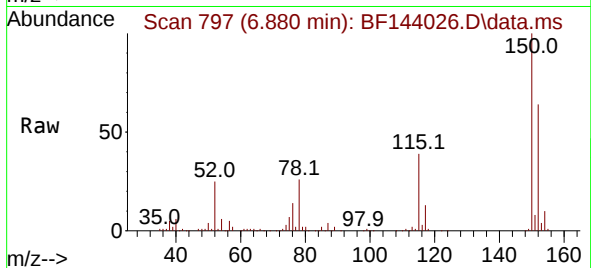
Quant Time: Oct 22 11:13:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
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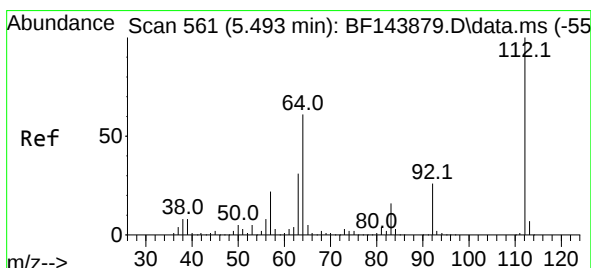
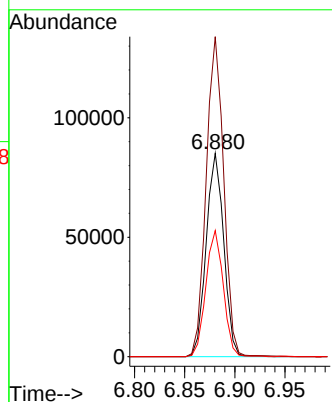
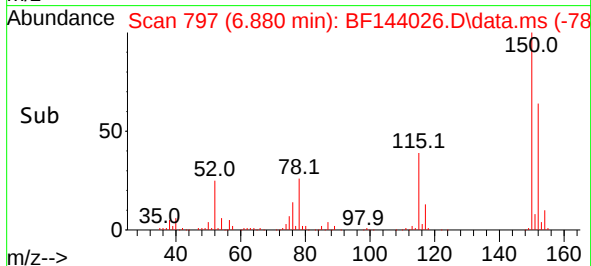


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.880 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: BF144026.D
 Acq: 21 Oct 2025 21:55

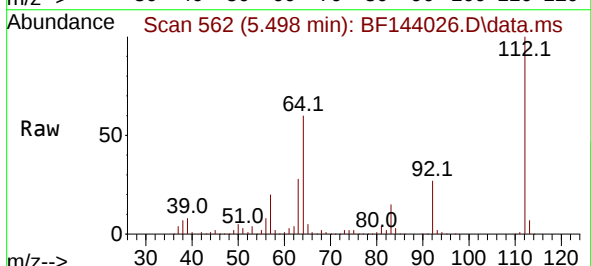
Instrument :
 BNA_F
 ClientSampleId :



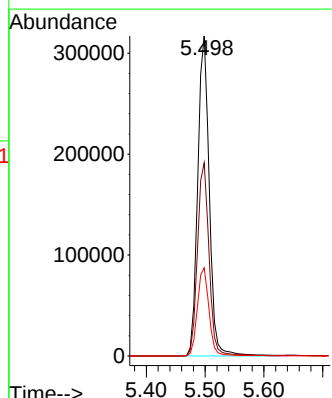
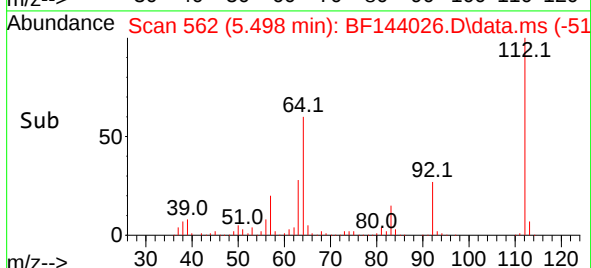
Tgt Ion:152 Resp: 104084
 Ion Ratio Lower Upper
 152 100
 150 157.4 124.4 186.6
 115 62.0 48.1 72.1



#5
 2-Fluorophenol
 Concen: 65.859 ng
 RT: 5.498 min Scan# 562
 Delta R.T. -0.000 min
 Lab File: BF144026.D
 Acq: 21 Oct 2025 21:55



Tgt Ion:112 Resp: 431671
 Ion Ratio Lower Upper
 112 100
 64 60.3 49.1 73.7
 63 27.6 24.5 36.7



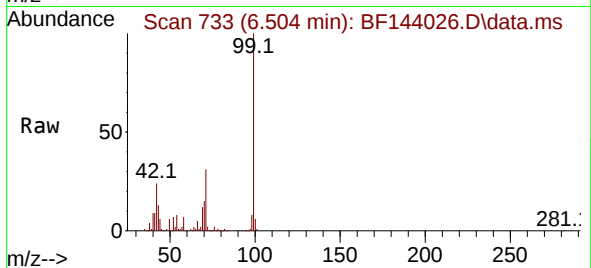


#7
Phenol-d6
Concen: 62.590 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF144026.D
Acq: 21 Oct 2025 21:55

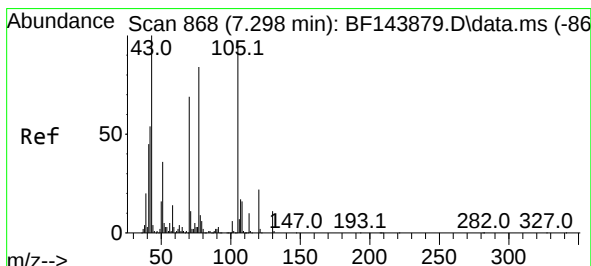
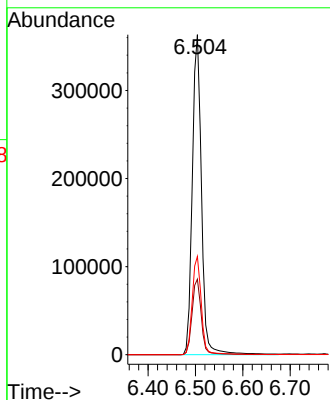
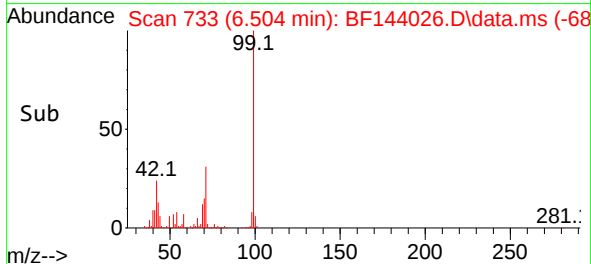
Instrument :

BNA_F

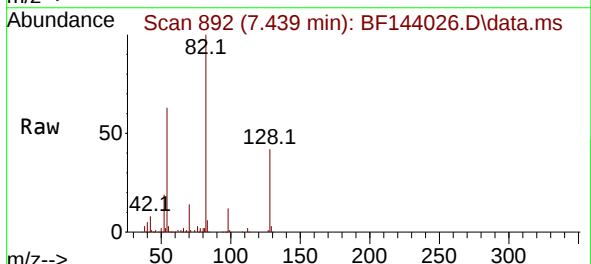
ClientSampleId :



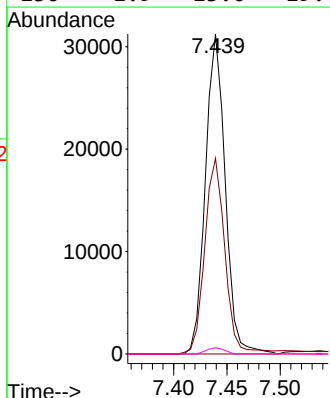
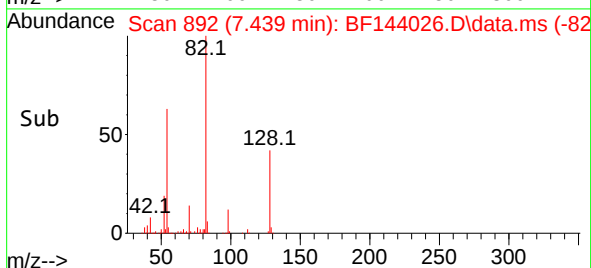
Tgt Ion: 99 Resp: 488994
Ion Ratio Lower Upper
99 100
42 23.6 21.0 31.4
71 30.7 27.8 41.8

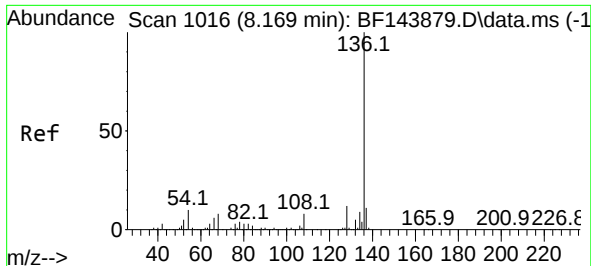


#19
n-Nitroso-di-n-propylamine
Concen: 7.543 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.123 min
Lab File: BF144026.D
Acq: 21 Oct 2025 21:55



Tgt Ion: 70 Resp: 40340
Ion Ratio Lower Upper
70 100
42 61.2 62.8 94.2#
101 0.0 6.7 10.1#
130 1.9 13.0 19.4#

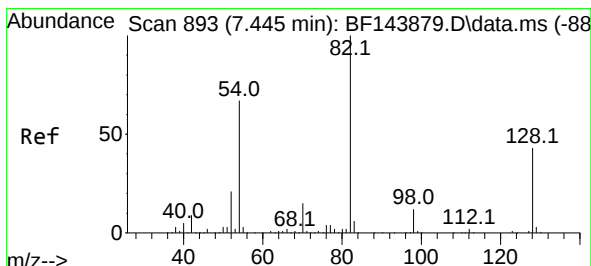
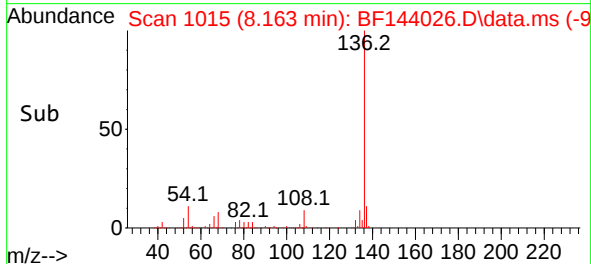
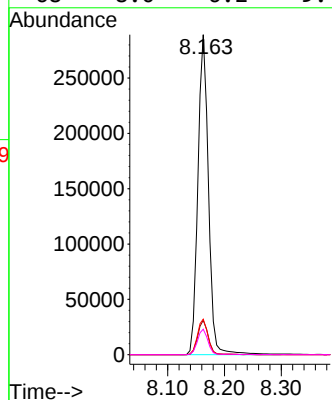
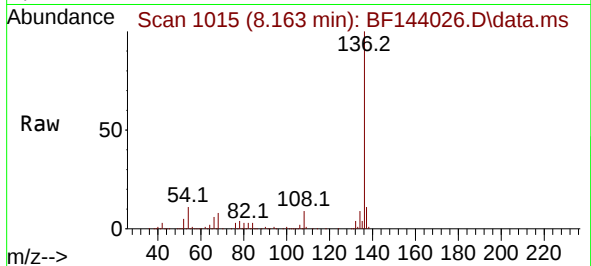




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF144026.D
Acq: 21 Oct 2025 21:55

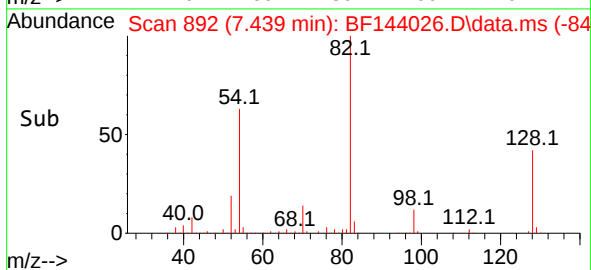
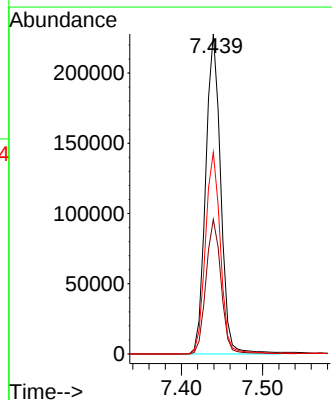
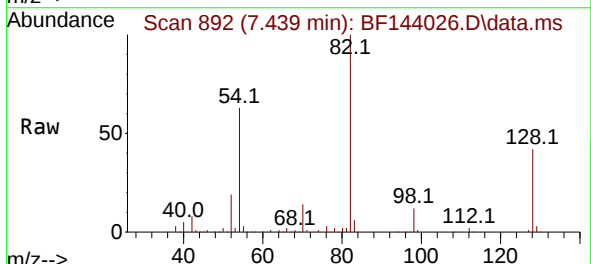
Instrument :
BNA_F
ClientSampleId :

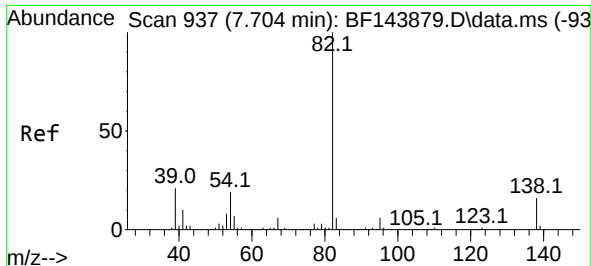
Tgt Ion:136 Resp: 375961
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 11.1 8.2 12.4
68 8.0 6.2 9.4



#23
Nitrobenzene-d5
Concen: 47.193 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.018 min
Lab File: BF144026.D
Acq: 21 Oct 2025 21:55

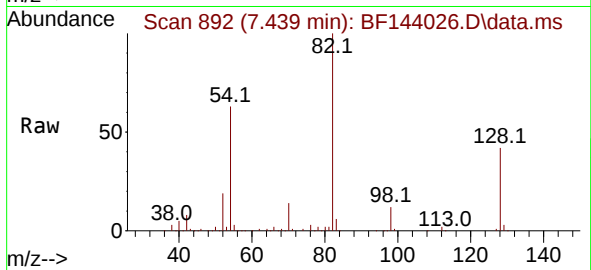
Tgt Ion: 82 Resp: 292037
Ion Ratio Lower Upper
82 100
128 42.1 34.0 51.0
54 63.1 53.2 79.8



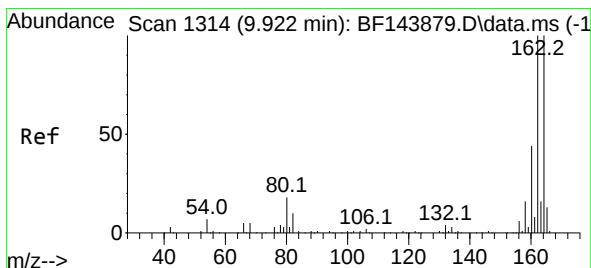
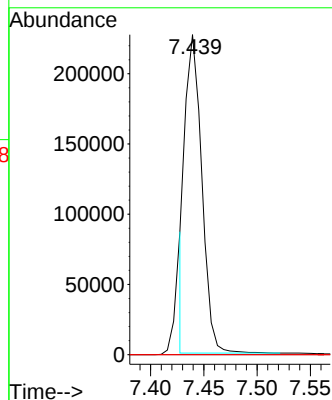
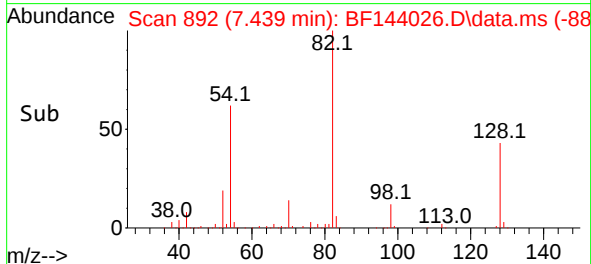


#25
Isophorone
Concen: 18.787 ng
RT: 7.439 min Scan# 89
Delta R.T. -0.282 min
Lab File: BF144026.D
Acq: 21 Oct 2025 21:55

Instrument :
BNA_F
ClientSampleId :

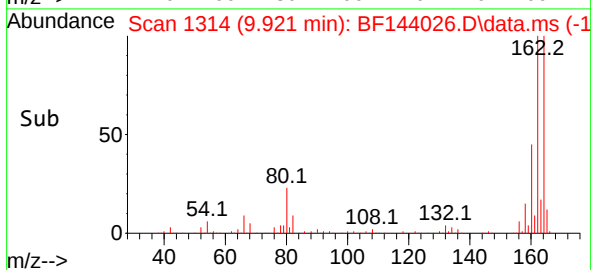
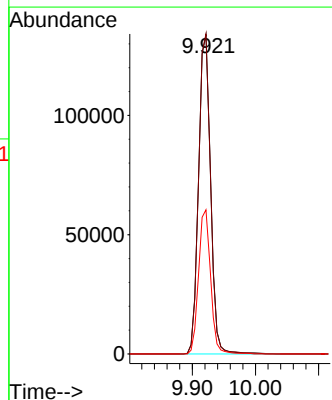
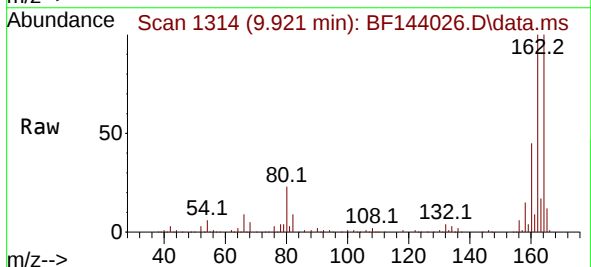


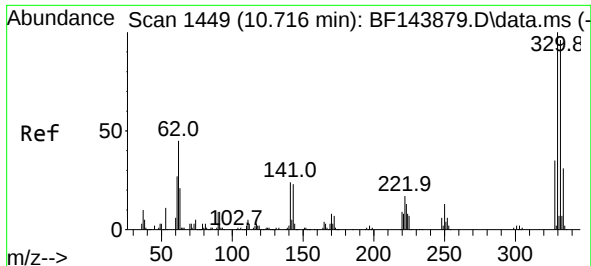
Tgt Ion: 82 Resp: 245130
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.921 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BF144026.D
Acq: 21 Oct 2025 21:55

Tgt Ion: 164 Resp: 176907
Ion Ratio Lower Upper
164 100
162 100.3 80.2 120.2
160 45.2 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 45.973 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.012 min

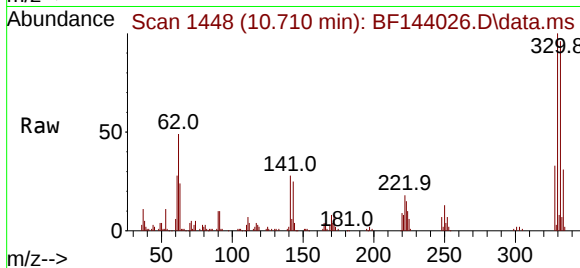
Lab File: BF144026.D

Acq: 21 Oct 2025 21:55

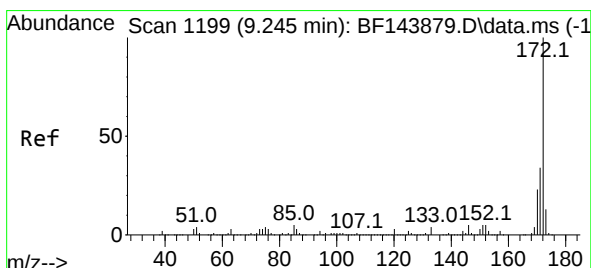
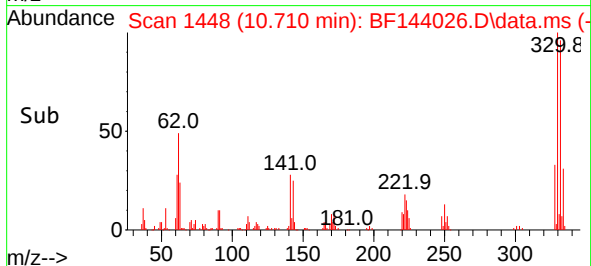
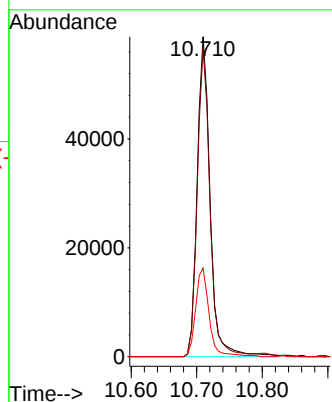
Instrument :

BNA_F

ClientSampleId :



Tgt Ion:	330	Resp:	81006
Ion Ratio	Lower	Upper	
330	100		
332	94.5	76.9	115.3
141	28.7	20.2	30.4



#45

2-Fluorobiphenyl

Concen: 32.566 ng

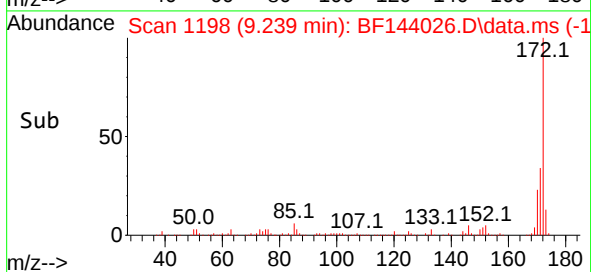
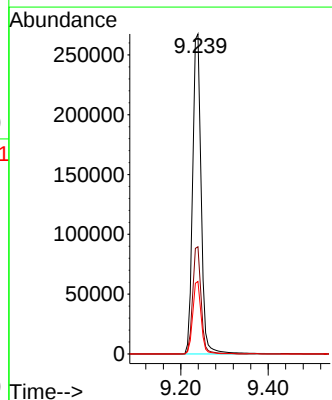
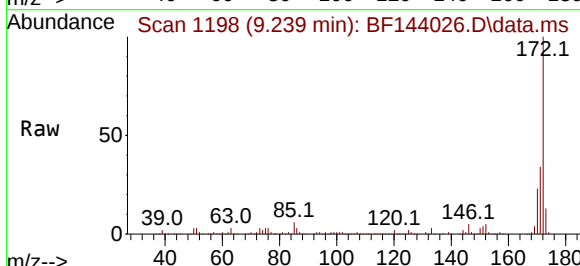
RT: 9.239 min Scan# 1198

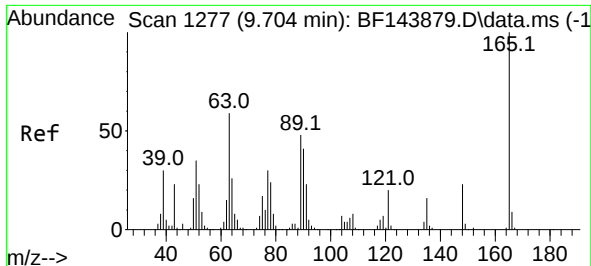
Delta R.T. -0.012 min

Lab File: BF144026.D

Acq: 21 Oct 2025 21:55

Tgt Ion:	172	Resp:	363077
Ion Ratio	Lower	Upper	
172	100		
171	33.5	27.4	41.0
170	22.7	18.6	28.0





#51

2,6-Dinitrotoluene

Concen: 10.695 ng

RT: 9.921 min Scan# 11

Delta R.T. 0.205 min

Lab File: BF144026.D

Acq: 21 Oct 2025 21:55

Instrument :

BNA_F

ClientSampleId :

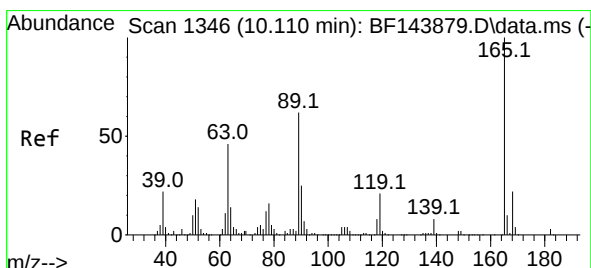
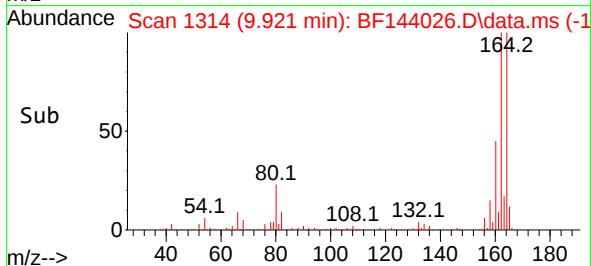
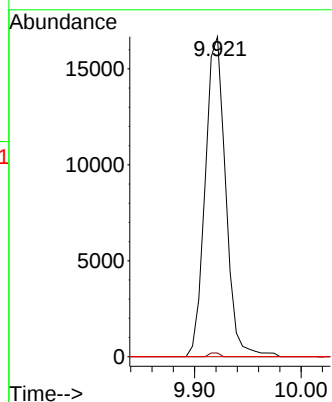
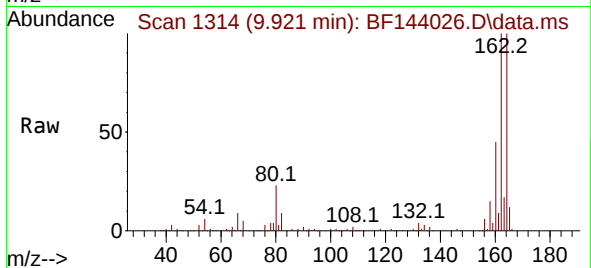
Tgt Ion:165 Resp: 22280

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: 7.860 ng

RT: 9.921 min Scan# 1314

Delta R.T. -0.194 min

Lab File: BF144026.D

Acq: 21 Oct 2025 21:55

Tgt Ion:165 Resp: 22280

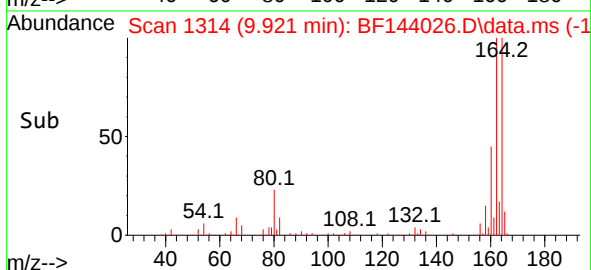
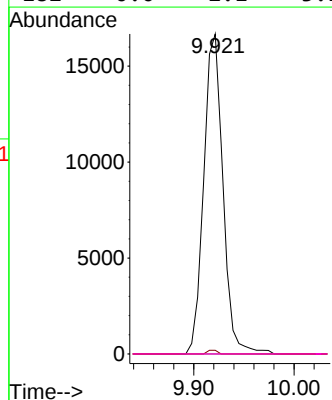
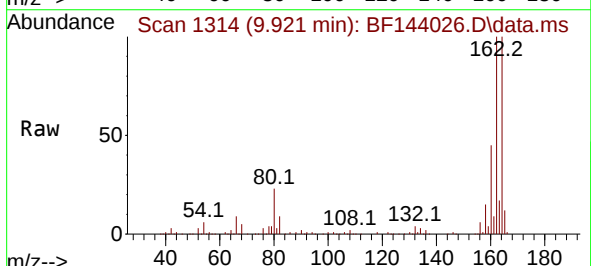
Ion Ratio Lower Upper

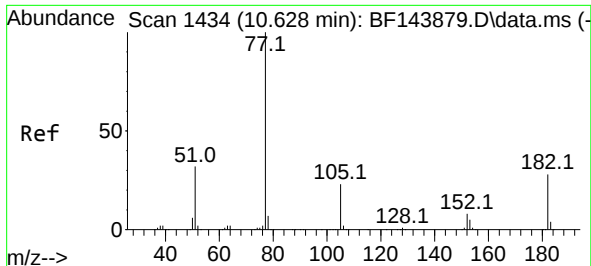
165 100

63 1.1 37.2 55.8#

89 0.0 49.4 74.2#

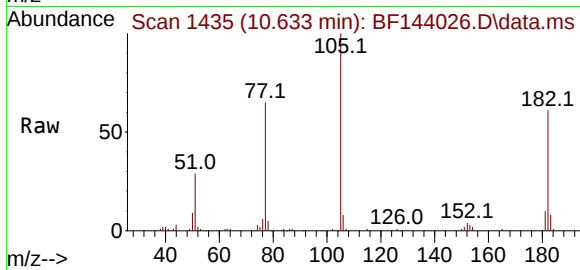
182 0.0 2.1 3.1#



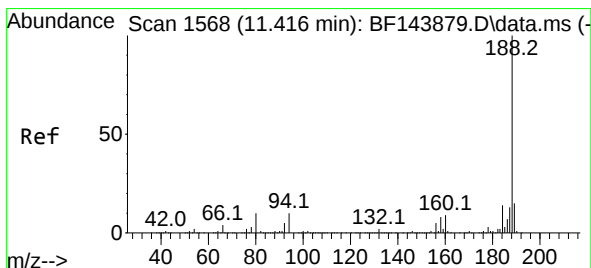
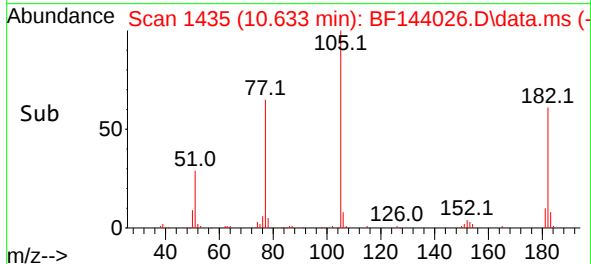
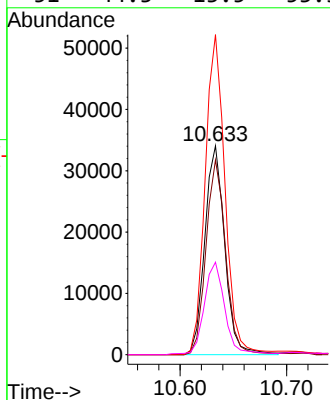


#63
Azobenzene
Concen: 4.087 ng
RT: 10.633 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF144026.D
Acq: 21 Oct 2025 21:55

Instrument :
BNA_F
ClientSampleId :

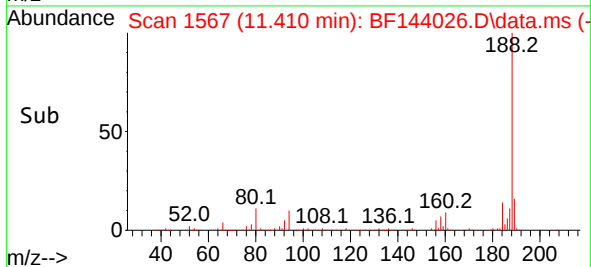
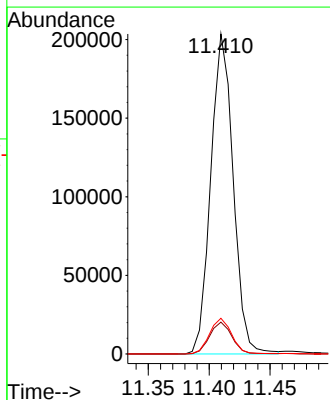
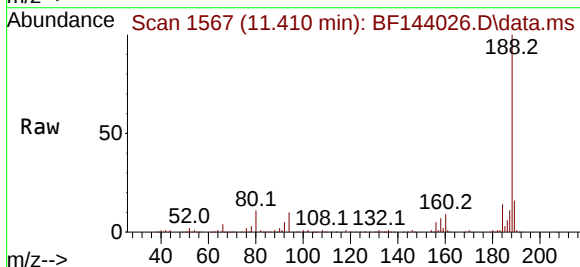


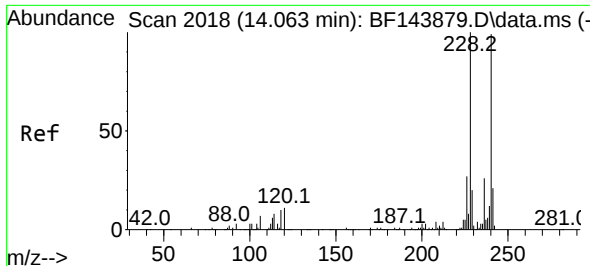
Tgt Ion: 77 Resp: 44584
Ion Ratio Lower Upper
77 100
182 93.3 7.3 47.3#
105 153.2 3.0 43.0#
51 44.3 13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF144026.D
Acq: 21 Oct 2025 21:55

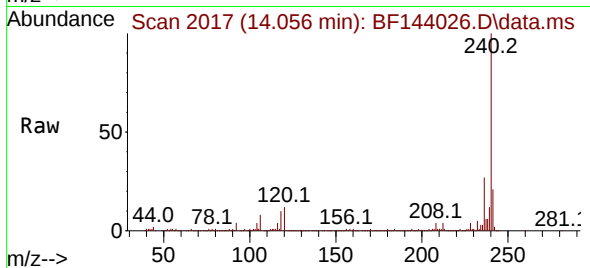
Tgt Ion: 188 Resp: 260999
Ion Ratio Lower Upper
188 100
94 9.9 7.8 11.6
80 11.1 7.9 11.9



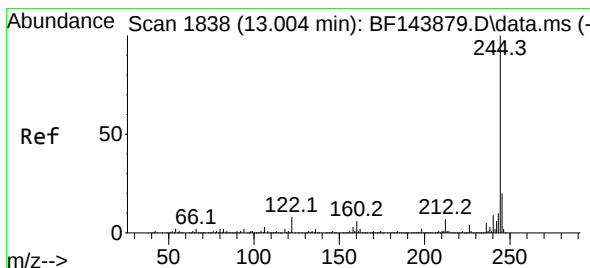
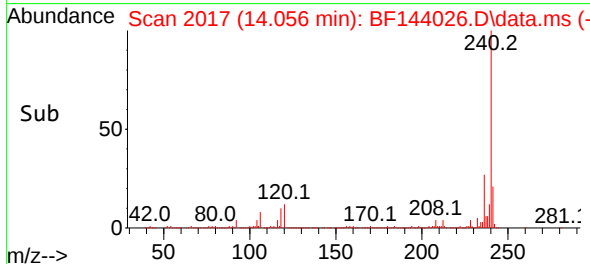
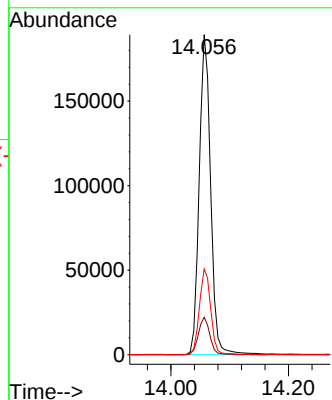


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.056 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF144026.D
Acq: 21 Oct 2025 21:55

Instrument :
BNA_F
ClientSampleId :

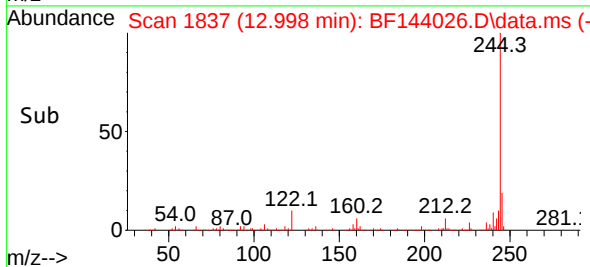
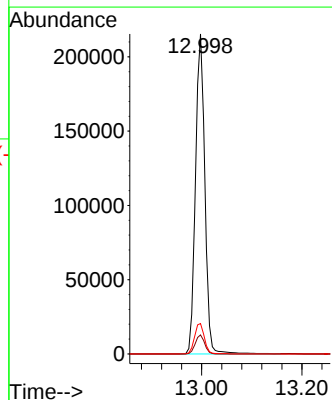
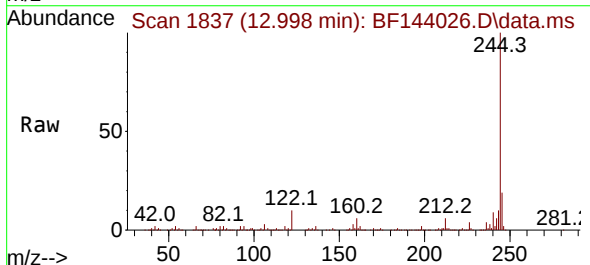


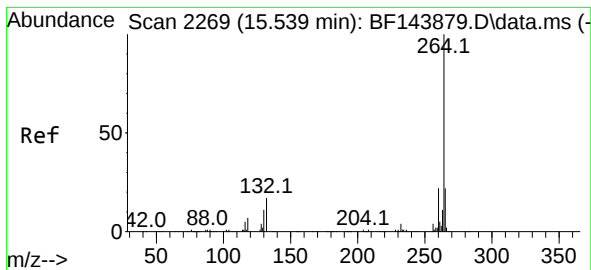
Tgt Ion:240 Resp: 254790
Ion Ratio Lower Upper
240 100
120 11.7 8.6 13.0
236 26.8 21.1 31.7



#79
Terphenyl-d14
Concen: 18.661 ng
RT: 12.998 min Scan# 1837
Delta R.T. -0.012 min
Lab File: BF144026.D
Acq: 21 Oct 2025 21:55

Tgt Ion:244 Resp: 278201
Ion Ratio Lower Upper
244 100
212 6.0 5.4 8.0
122 9.5 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: BF144026.D

Acq: 21 Oct 2025 21:55

Instrument :

BNA_F

ClientSampleId :

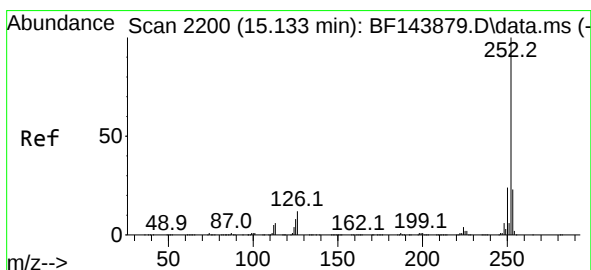
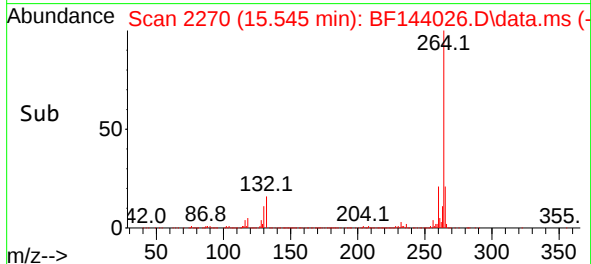
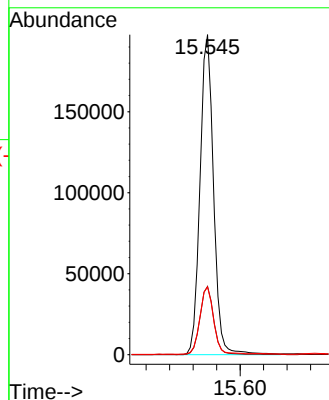
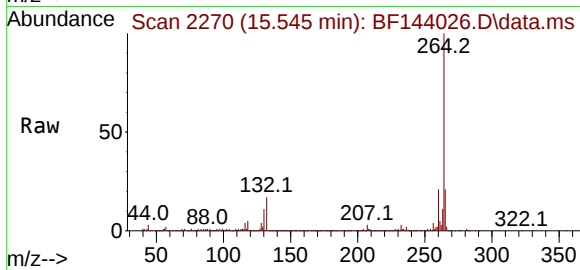
Tgt Ion:264 Resp: 315809

Ion Ratio Lower Upper

264 100

260 21.3 17.8 26.8

265 21.1 17.5 26.3



#89

Benzo(k)fluoranthene

Concen: 2.055 ng

RT: 15.109 min Scan# 2196

Delta R.T. -0.035 min

Lab File: BF144026.D

Acq: 21 Oct 2025 21:55

Tgt Ion:252 Resp: 34504

Ion Ratio Lower Upper

252 100

253 24.5 17.8 26.8

125 14.1 7.4 11.2#

