

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110625\
 Data File : BF144186.D
 Acq On : 06 Nov 2025 14:25
 Operator : RC/JU
 Sample : Q3532-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Quant Time: Nov 06 15:04:01 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)

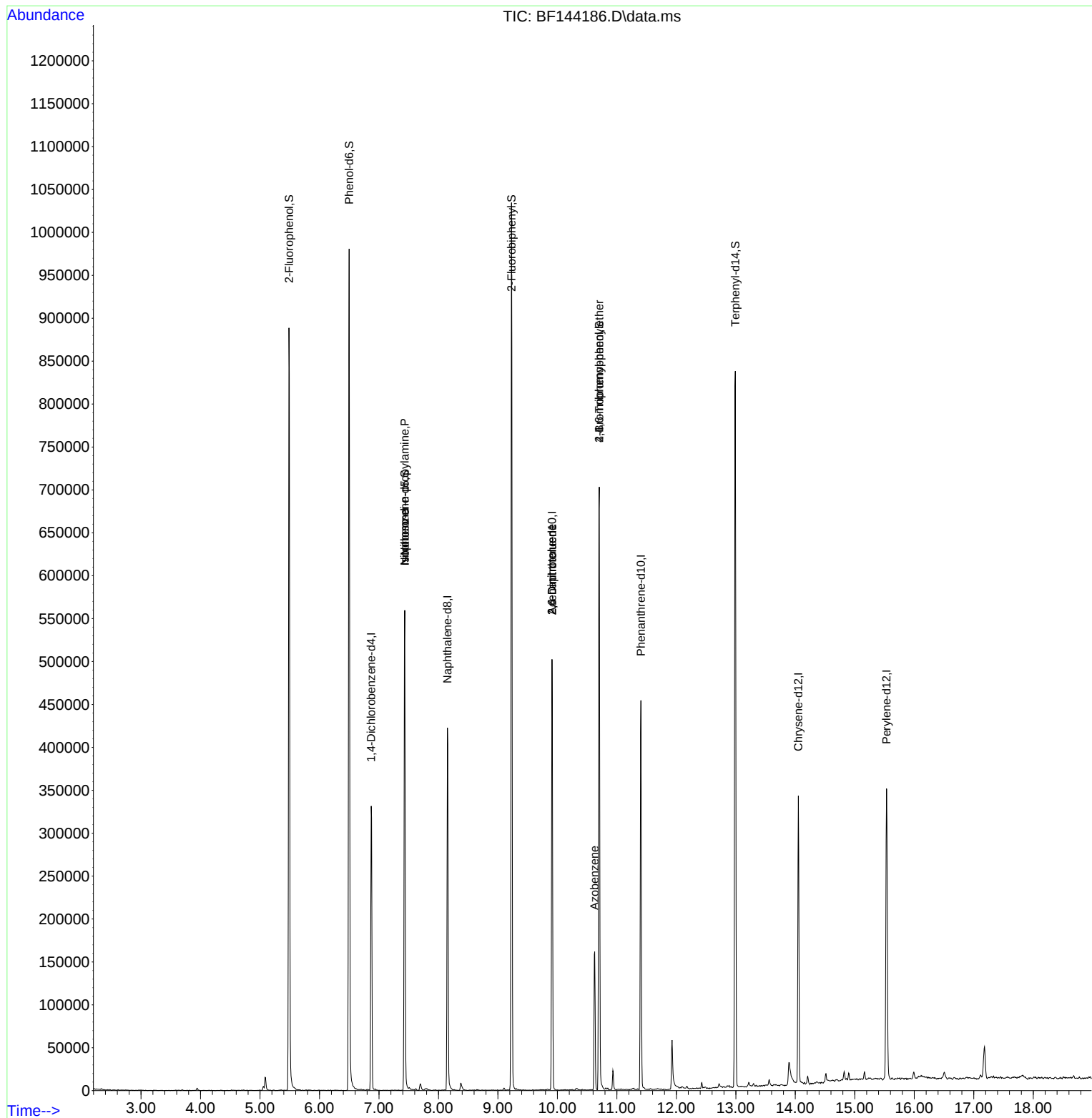
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	74312	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	281539	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	156041	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	254856	20.000	ng	0.00
76) Chrysene-d12	14.051	240	171393	20.000	ng	0.00
86) Perylene-d12	15.533	264	226982	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	351129	73.941	ng	0.00
7) Phenol-d6	6.498	99	417554	77.602	ng	0.00
23) Nitrobenzene-d5	7.434	82	238025	48.829	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	149042	76.114	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	477104	45.158	ng	0.00
79) Terphenyl-d14	12.992	244	465164	43.110	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	35953	10.150	ng	# 76
25) Isophorone	7.434	82	238023	25.814	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	20342	9.721	ng	# 28
57) 2,4-Dinitrotoluene	9.910	165	20342	7.261	ng	# 29
63) Azobenzene	10.622	77	40876	4.609	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	8588	2.640	ng	# 1

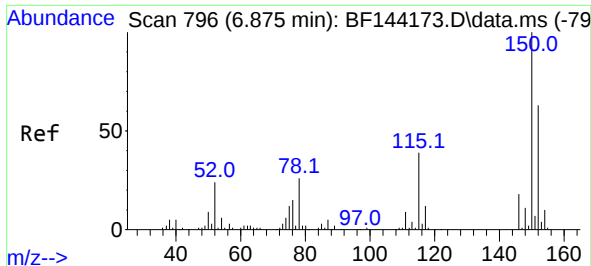
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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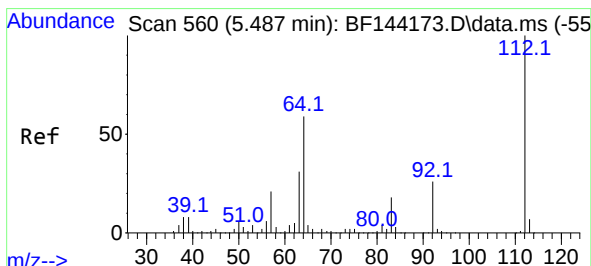
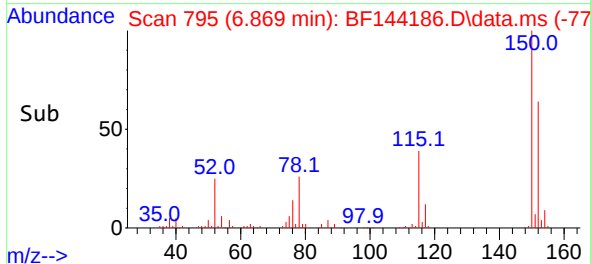
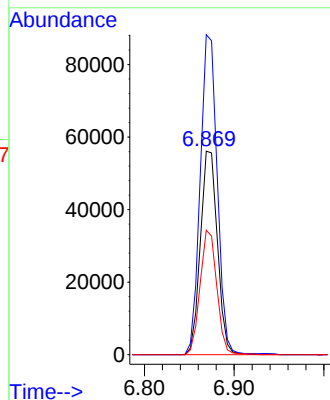
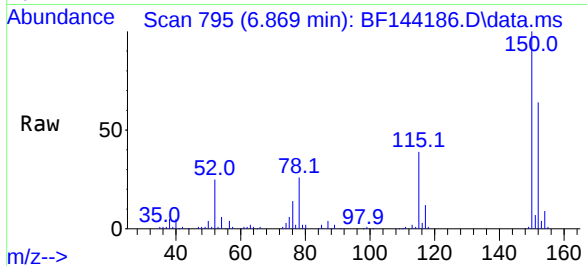




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 796
Delta R.T. -0.006 min
Lab File: BF144186.D
Acq: 06 Nov 2025 14:25

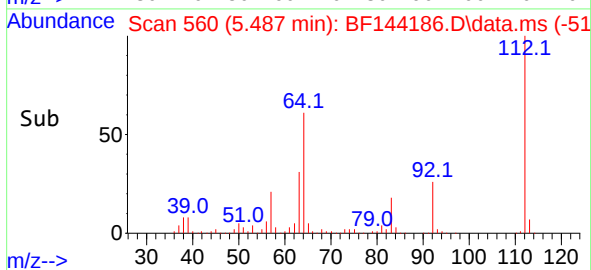
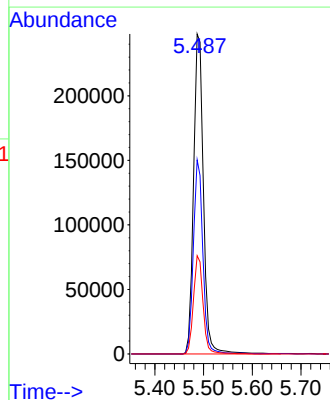
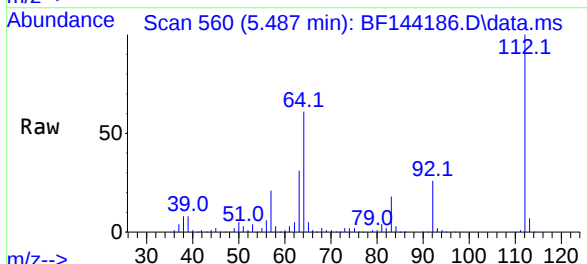
Instrument :
BNA_F
ClientSampleId :
TP-2

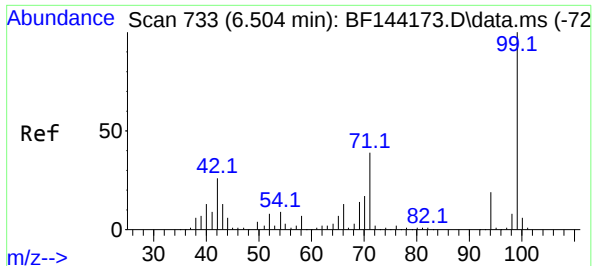
Tgt Ion:152 Resp: 74312
Ion Ratio Lower Upper
152 100
150 157.2 127.4 191.0
115 61.2 49.5 74.3



#5
2-Fluorophenol
Concen: 73.941 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144186.D
Acq: 06 Nov 2025 14:25

Tgt Ion:112 Resp: 351129
Ion Ratio Lower Upper
112 100
64 60.7 47.2 70.8
63 30.7 24.4 36.6



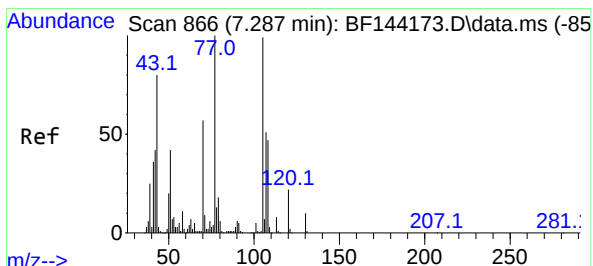
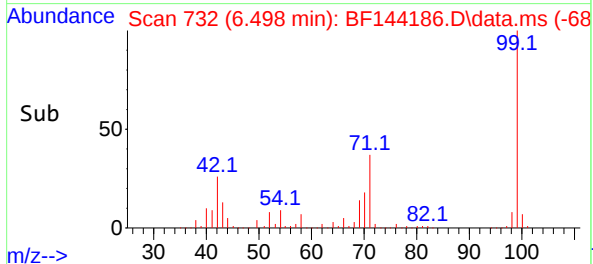
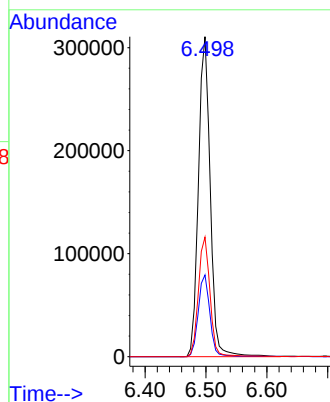
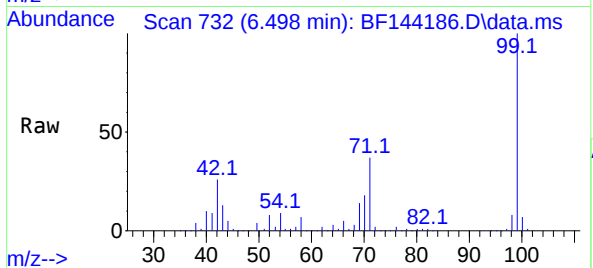


#7
Phenol-d6
Concen: 77.602 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF144186.D
Acq: 06 Nov 2025 14:25

Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion: 99 Resp: 417554

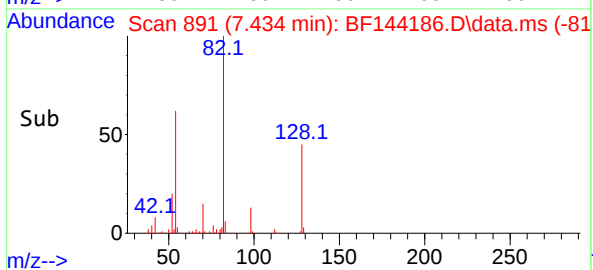
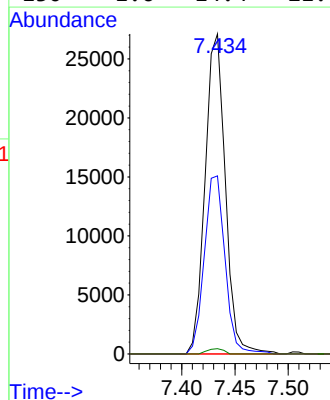
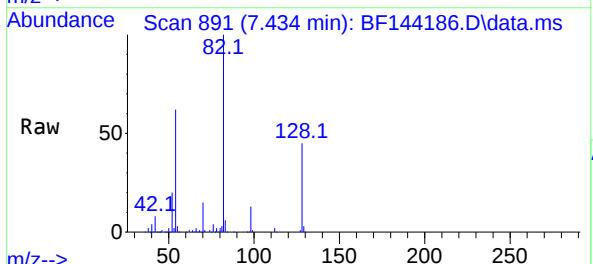
Ion	Ratio	Lower	Upper
99	100		
42	25.5	20.9	31.3
71	37.4	31.4	47.2

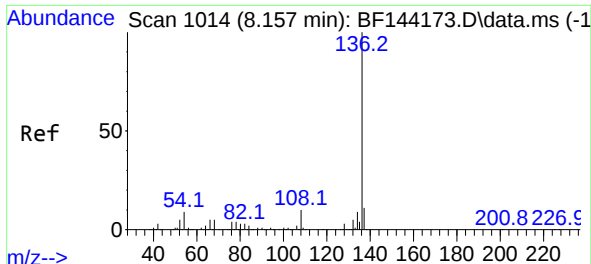


#19
n-Nitroso-di-n-propylamine
Concen: 10.150 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.159 min
Lab File: BF144186.D
Acq: 06 Nov 2025 14:25

Tgt Ion: 70 Resp: 35953

Ion	Ratio	Lower	Upper
70	100		
42	55.6	58.3	87.5#
101	0.0	7.0	10.6#
130	1.6	14.4	21.6#

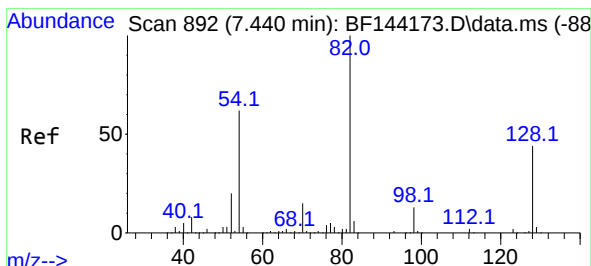
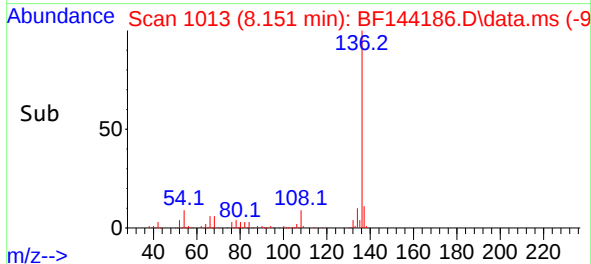
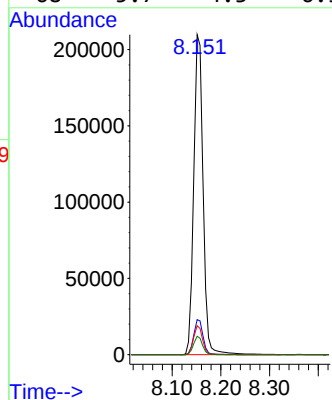
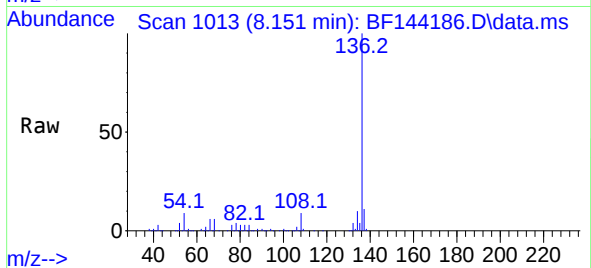




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF144186.D
Acq: 06 Nov 2025 14:25

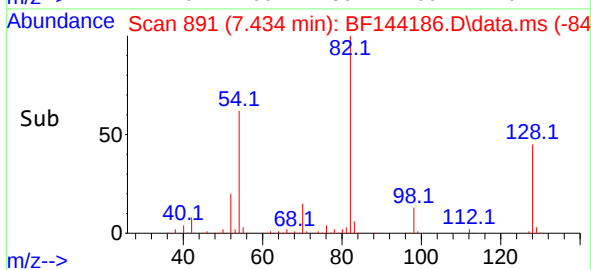
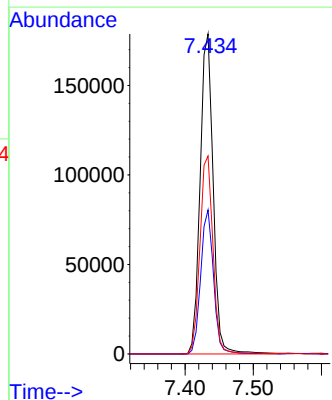
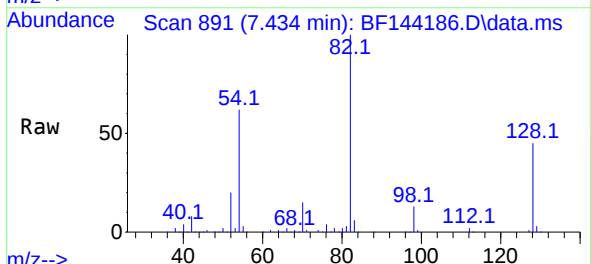
Instrument :
BNA_F
ClientSampleId :
TP-2

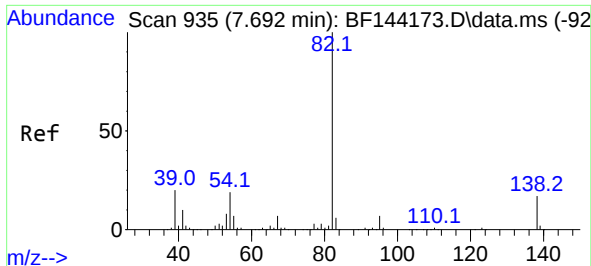
Tgt Ion:136 Resp: 281539
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.1 7.0 10.6
68 5.7 4.3 6.5



#23
Nitrobenzene-d5
Concen: 48.829 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.000 min
Lab File: BF144186.D
Acq: 06 Nov 2025 14:25

Tgt Ion: 82 Resp: 238025
Ion Ratio Lower Upper
82 100
128 45.0 34.7 52.1
54 61.8 49.5 74.3

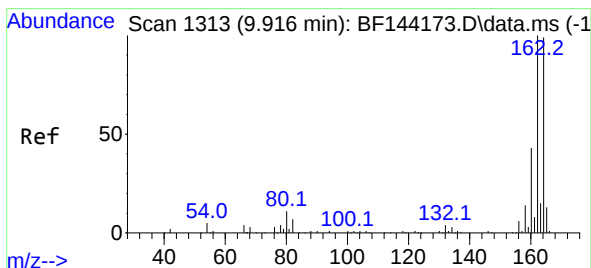
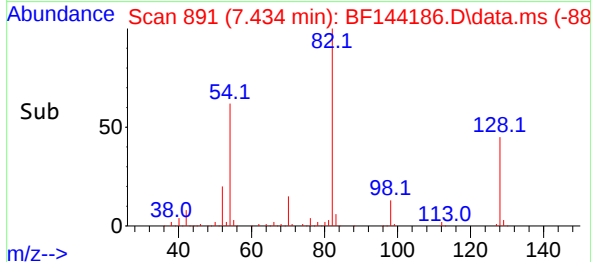
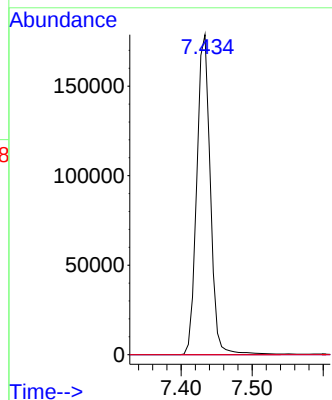
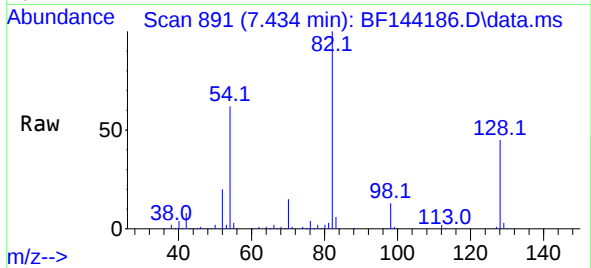




#25
Isophorone
Concen: 25.814 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.253 min
Lab File: BF144186.D
Acq: 06 Nov 2025 14:25

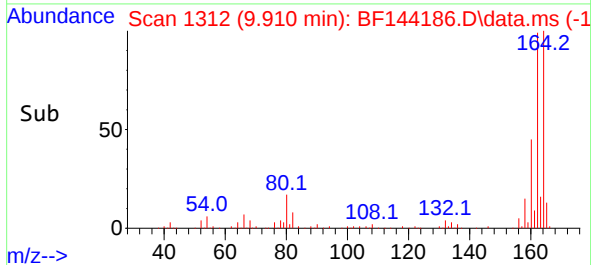
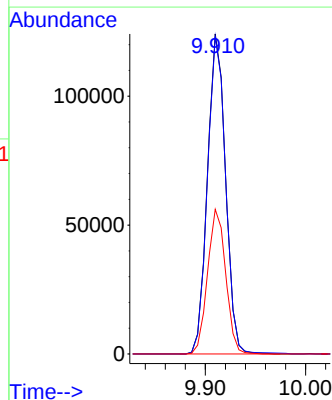
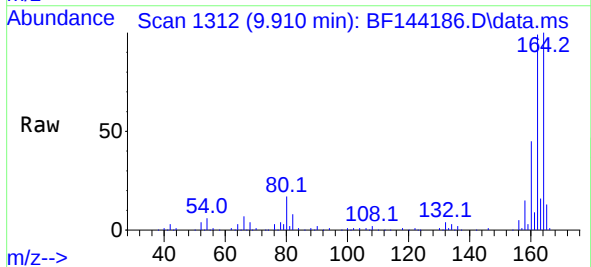
Instrument :
BNA_F
ClientSampleId :
TP-2

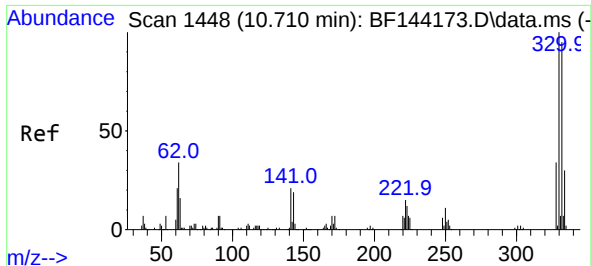
Tgt Ion: 82 Resp: 238023
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BF144186.D
Acq: 06 Nov 2025 14:25

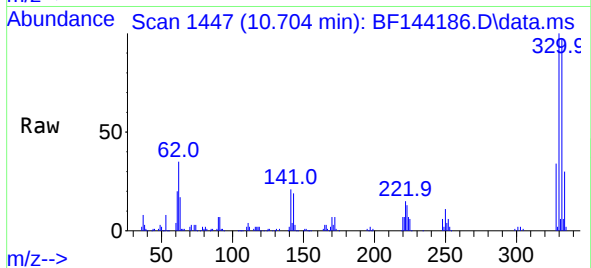
Tgt Ion:164 Resp: 156041
Ion Ratio Lower Upper
164 100
162 99.1 81.1 121.7
160 45.2 34.5 51.7



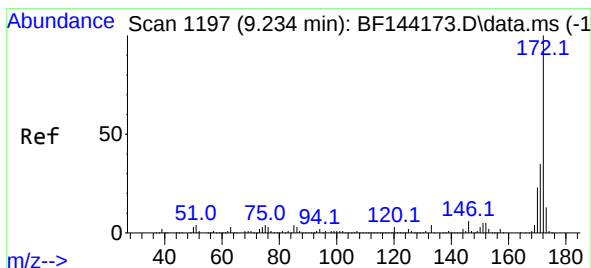
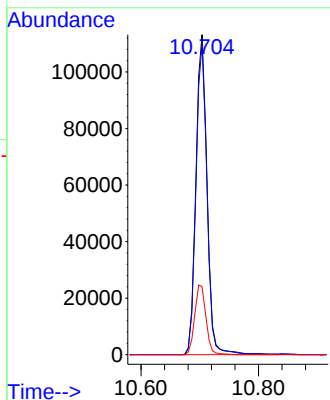
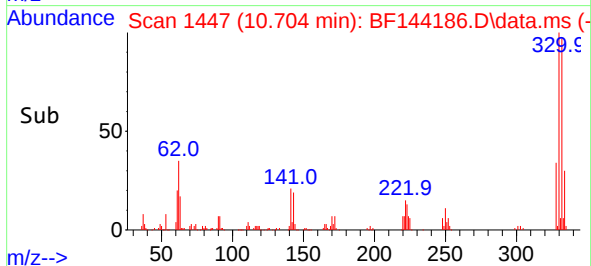


#42
2,4,6-Tribromophenol
Concen: 76.114 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.000 min
Lab File: BF144186.D
Acq: 06 Nov 2025 14:25

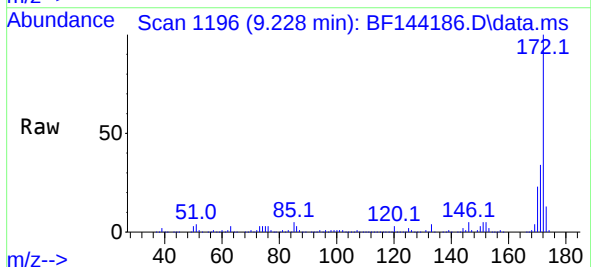
Instrument :
BNA_F
ClientSampleId :
TP-2



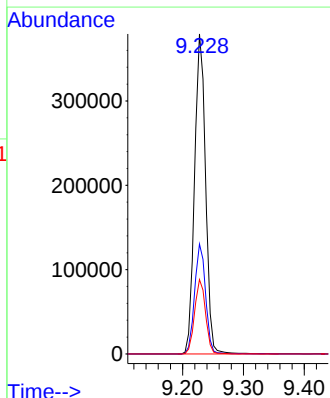
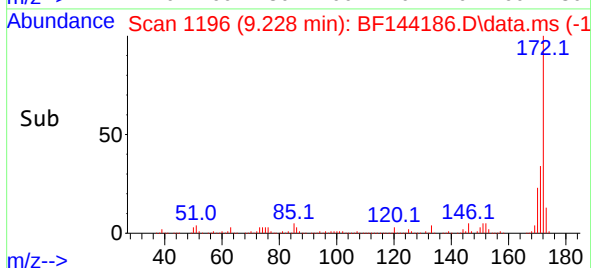
Tgt Ion:330 Resp: 149042
Ion Ratio Lower Upper
330 100
332 96.2 76.7 115.1
141 22.0 17.8 26.8

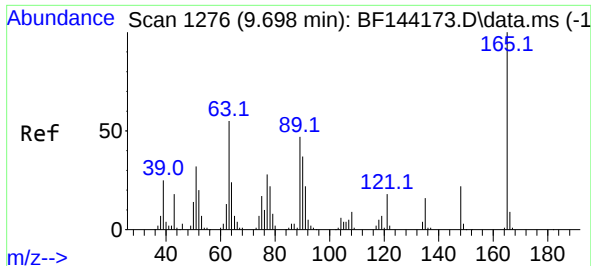


#45
2-Fluorobiphenyl
Concen: 45.158 ng
RT: 9.228 min Scan# 1196
Delta R.T. -0.000 min
Lab File: BF144186.D
Acq: 06 Nov 2025 14:25



Tgt Ion:172 Resp: 477104
Ion Ratio Lower Upper
172 100
171 34.3 28.1 42.1
170 23.3 18.6 28.0





#51

2,6-Dinitrotoluene

Concen: 9.721 ng

RT: 9.910 min Scan# 11

Delta R.T. 0.217 min

Lab File: BF144186.D

Acq: 06 Nov 2025 14:25

Instrument :

BNA_F

ClientSampleId :

TP-2

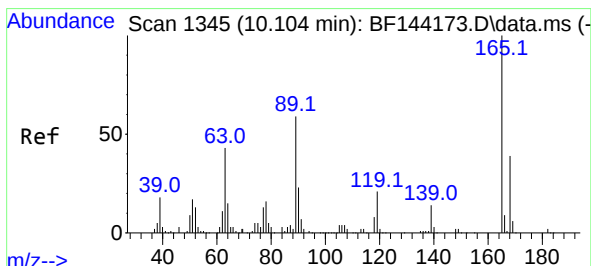
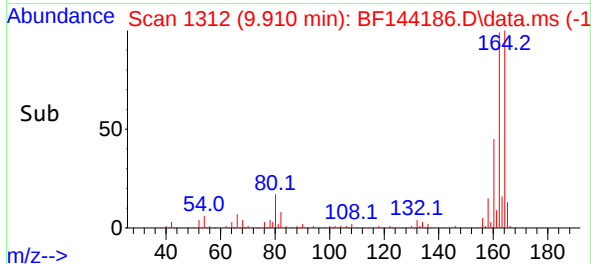
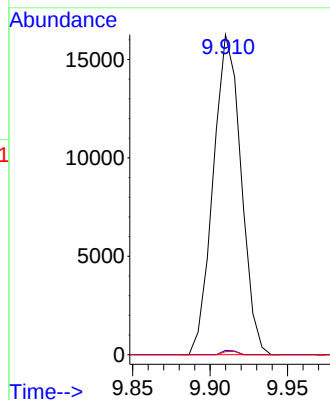
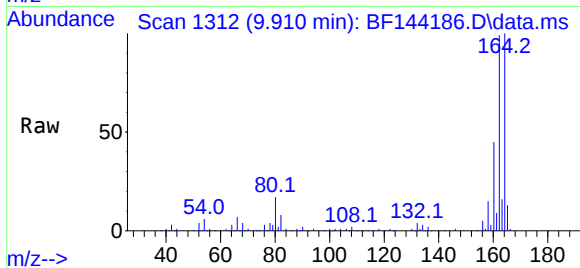
Tgt Ion:165 Resp: 20342

Ion Ratio Lower Upper

165 100

63 1.4 43.8 65.8#

89 0.9 37.5 56.3#



#57

2,4-Dinitrotoluene

Concen: 7.261 ng

RT: 9.910 min Scan# 1312

Delta R.T. -0.188 min

Lab File: BF144186.D

Acq: 06 Nov 2025 14:25

Tgt Ion:165 Resp: 20342

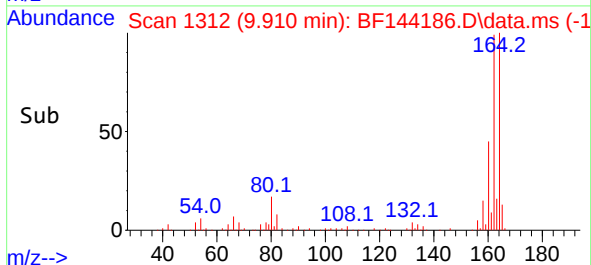
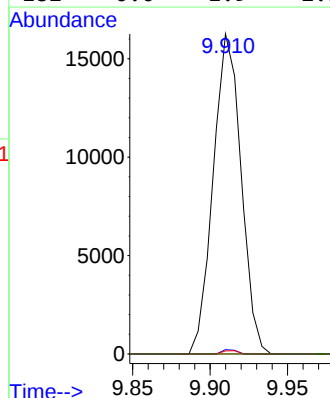
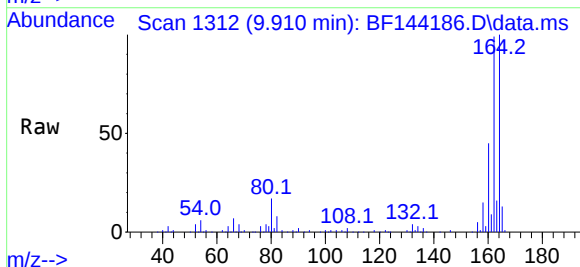
Ion Ratio Lower Upper

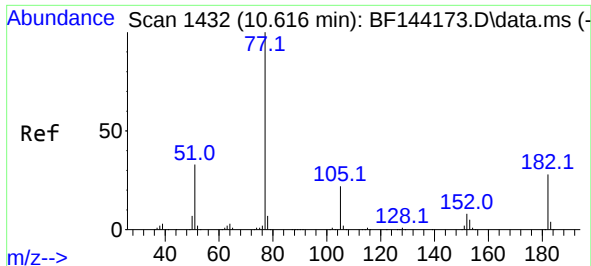
165 100

63 1.4 35.5 53.3#

89 0.9 47.4 71.2#

182 0.0 1.9 2.9#



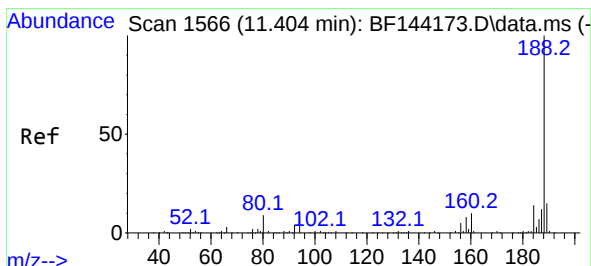
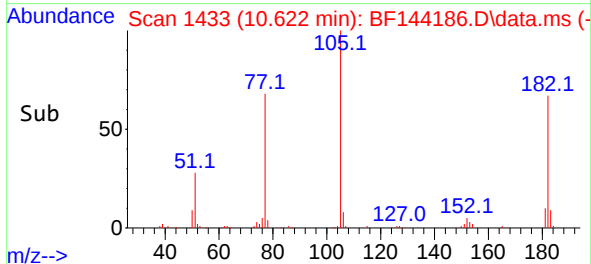
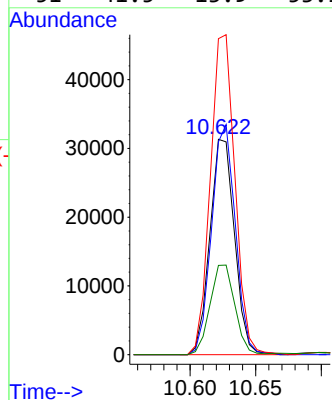
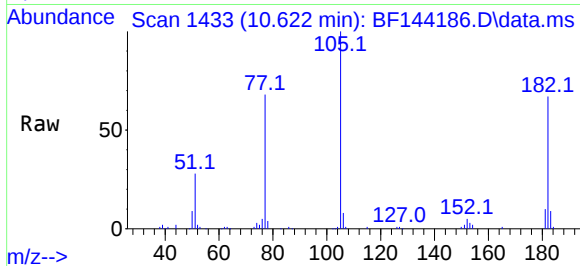


#63
Azobenzene
Concen: 4.609 ng
RT: 10.622 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF144186.D
Acq: 06 Nov 2025 14:25

Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion: 77 Resp: 40876

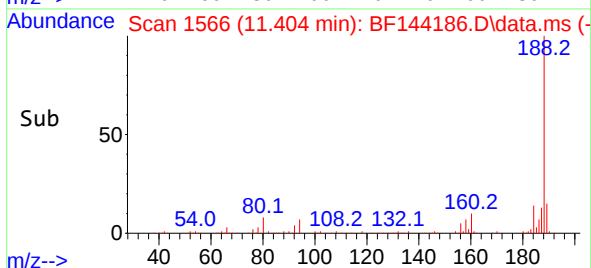
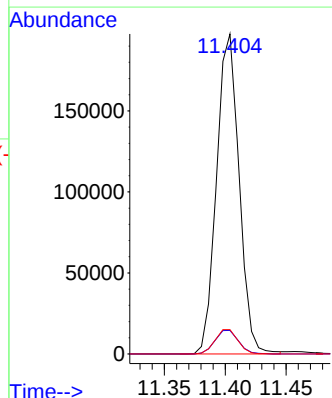
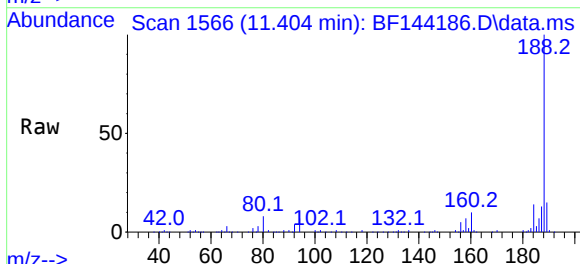
Ion	Ratio	Lower	Upper
77	100		
182	98.8	8.1	48.1#
105	146.7	2.0	42.0#
51	41.5	13.9	53.9

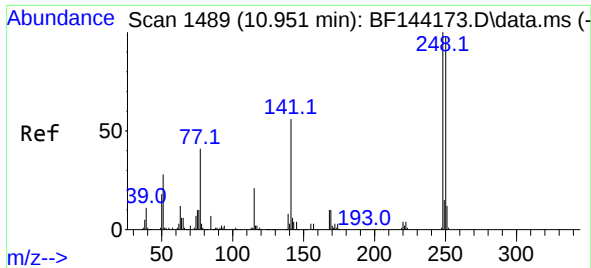


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.000 min
Lab File: BF144186.D
Acq: 06 Nov 2025 14:25

Tgt Ion: 188 Resp: 254856

Ion	Ratio	Lower	Upper
188	100		
94	7.4	6.2	9.2
80	7.6	6.9	10.3

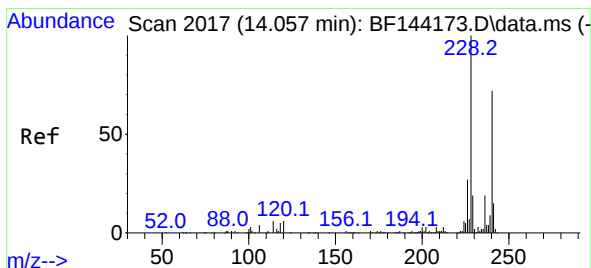
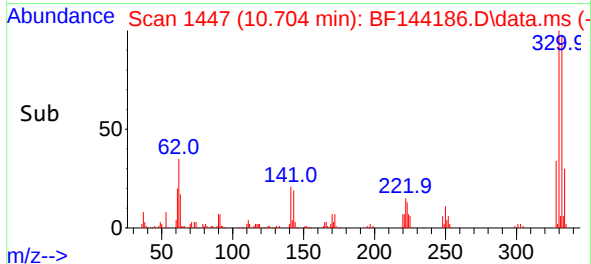
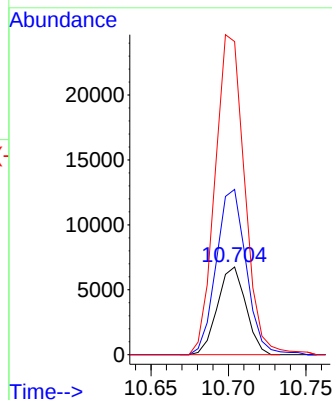
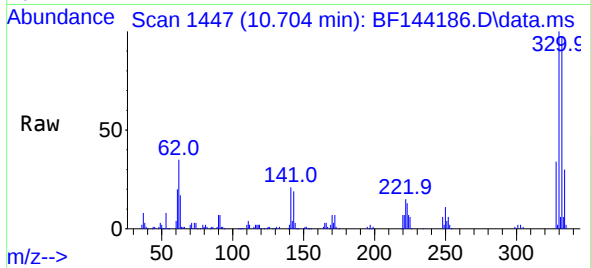




#67
4-Bromophenyl-phenylether
Concen: 2.640 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF144186.D
Acq: 06 Nov 2025 14:25

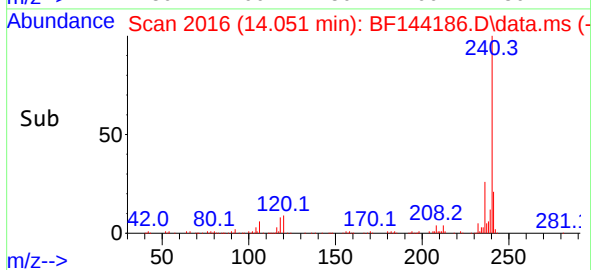
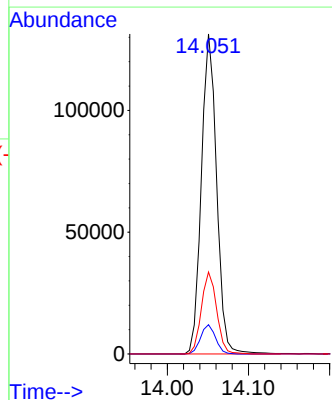
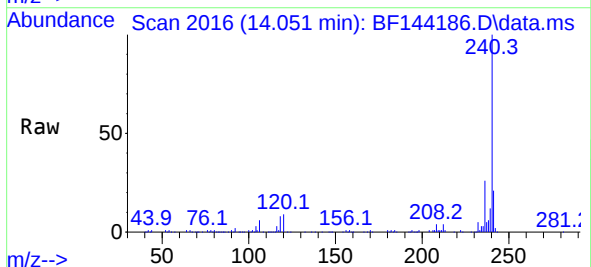
Instrument :
BNA_F
ClientSampleId :
TP-2

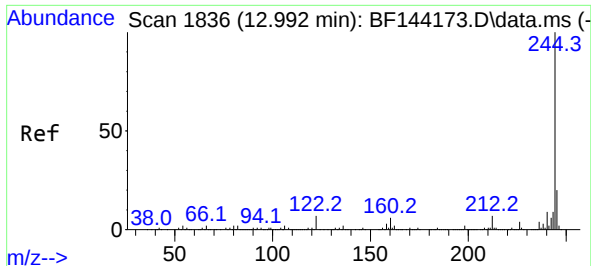
Tgt Ion:248 Resp: 8588
Ion Ratio Lower Upper
248 100
250 188.5 78.4 117.6#
141 357.0 45.1 67.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BF144186.D
Acq: 06 Nov 2025 14:25

Tgt Ion:240 Resp: 171393
Ion Ratio Lower Upper
240 100
120 9.1 6.6 10.0
236 25.6 21.4 32.2

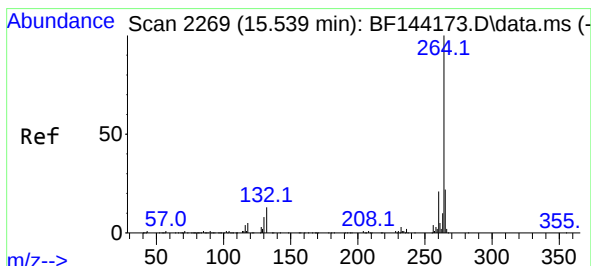
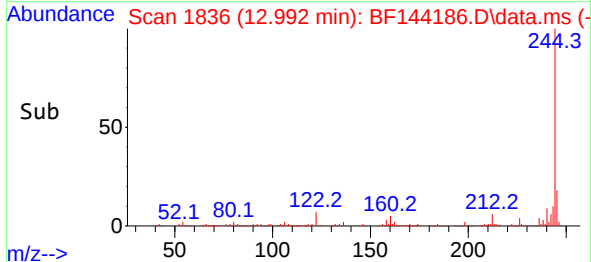
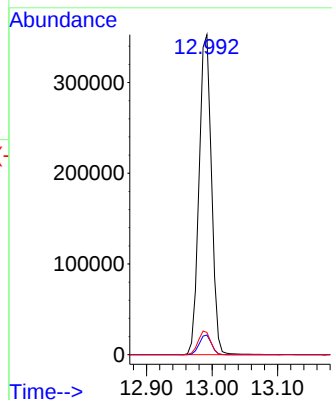
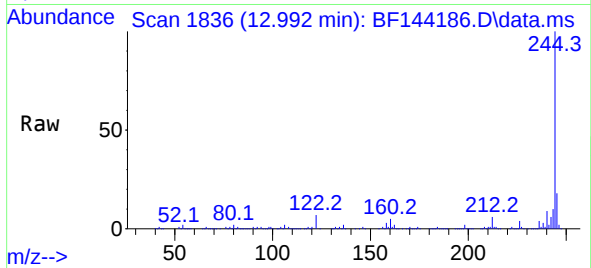




#79
 Terphenyl-d14
 Concen: 43.110 ng
 RT: 12.992 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF144186.D
 Acq: 06 Nov 2025 14:25

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Tgt Ion:244 Resp: 465164
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.3 7.9
 122 7.0 5.6 8.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.533 min Scan# 2268
 Delta R.T. -0.006 min
 Lab File: BF144186.D
 Acq: 06 Nov 2025 14:25

Tgt Ion:264 Resp: 226982
 Ion Ratio Lower Upper
 264 100
 260 20.7 17.1 25.7
 265 20.9 17.4 26.0

