

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120225\
 Data File : BF144409.D
 Acq On : 02 Dec 2025 18:19
 Operator : RC/JU
 Sample : Q3746-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROW

Quant Time: Dec 02 23:47:57 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)

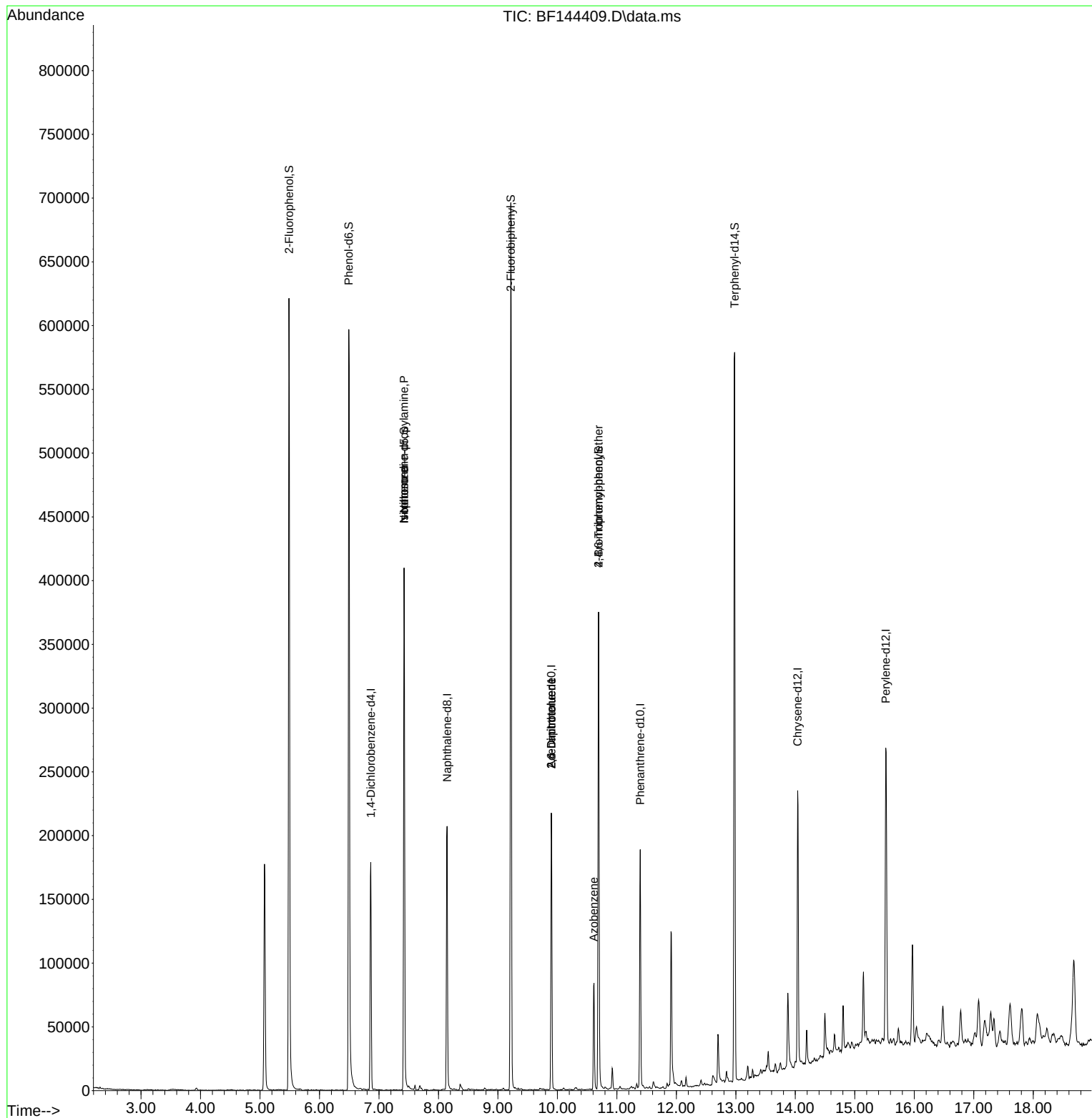
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	38118	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	142017	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	69138	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	105135	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	112776	20.000	ng	-0.01
86) Perylene-d12	15.521	264	132325	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	258303	106.042	ng	0.00
7) Phenol-d6	6.493	99	282900	102.499	ng	0.00
23) Nitrobenzene-d5	7.422	82	175143	71.227	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	78099	90.017	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	333987	71.347	ng	-0.01
79) Terphenyl-d14	12.980	244	321820	45.327	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	25622	14.102	ng	# 74
25) Isophorone	7.422	82	175141	37.655	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	8939	9.641	ng	# 27
57) 2,4-Dinitrotoluene	9.898	165	8939	7.202	ng	# 27
63) Azobenzene	10.610	77	21401	5.446	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	4294	3.200	ng	# 1

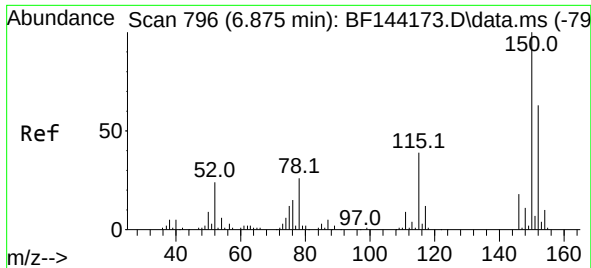
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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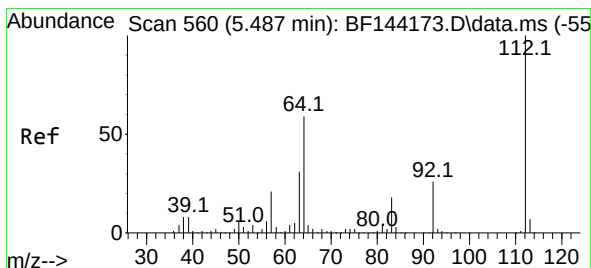
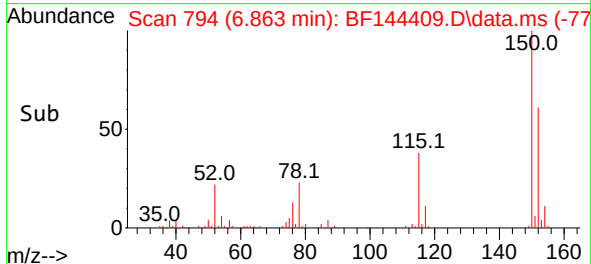
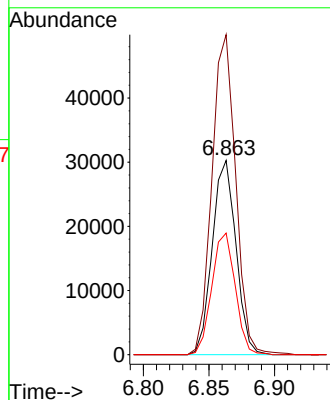
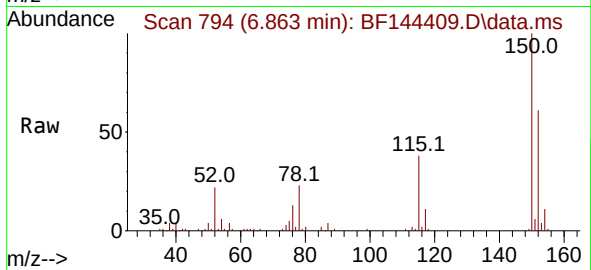




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.863 min Scan# 796
 Delta R.T. -0.012 min
 Lab File: BF144409.D
 Acq: 02 Dec 2025 18:19

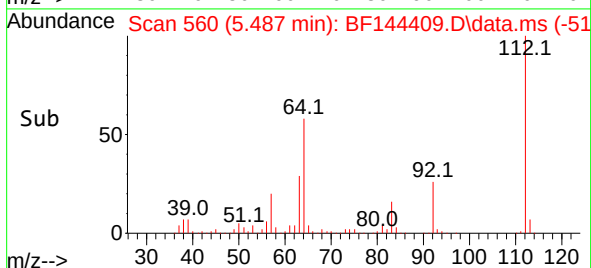
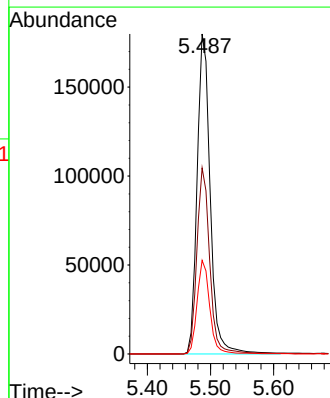
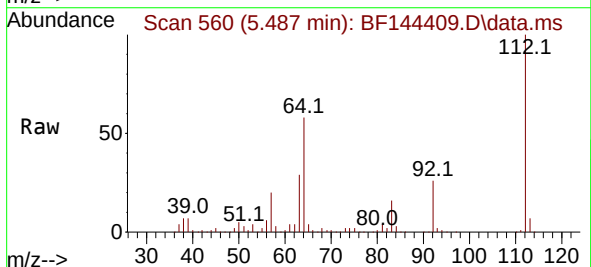
Instrument :
 BNA_F
 ClientSampleId :
 ROW

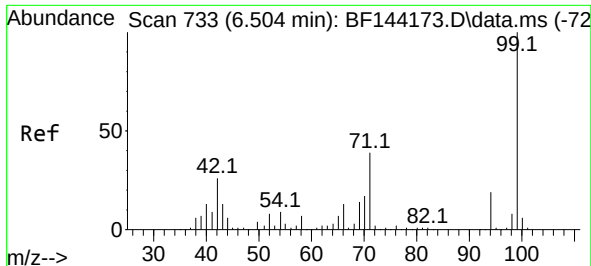
Tgt Ion:152 Resp: 38118
 Ion Ratio Lower Upper
 152 100
 150 164.7 127.4 191.0
 115 62.6 49.5 74.3



#5
 2-Fluorophenol
 Concen: 106.042 ng
 RT: 5.487 min Scan# 560
 Delta R.T. -0.006 min
 Lab File: BF144409.D
 Acq: 02 Dec 2025 18:19

Tgt Ion:112 Resp: 258303
 Ion Ratio Lower Upper
 112 100
 64 58.2 47.2 70.8
 63 29.3 24.4 36.6

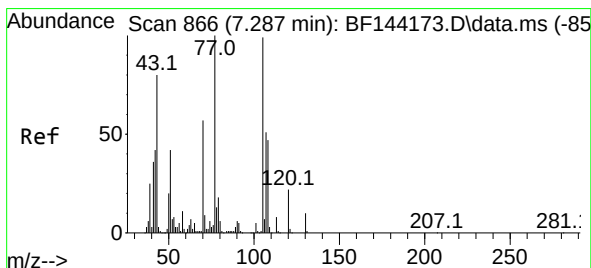
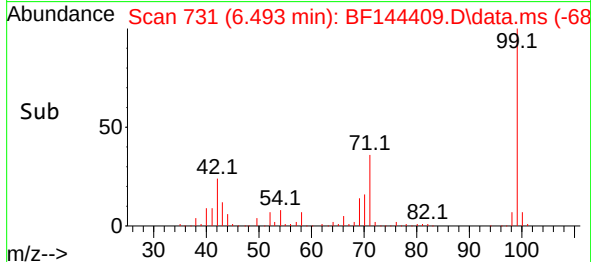
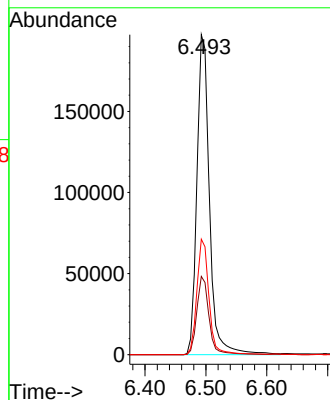
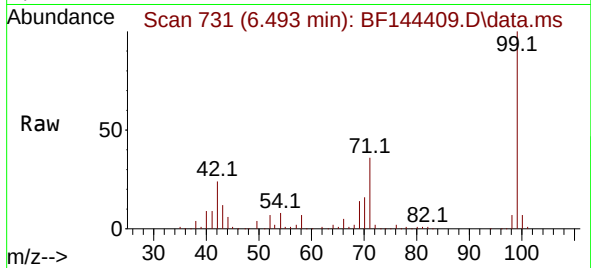




#7
Phenol-d6
Concen: 102.499 ng
RT: 6.493 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144409.D
Acq: 02 Dec 2025 18:19

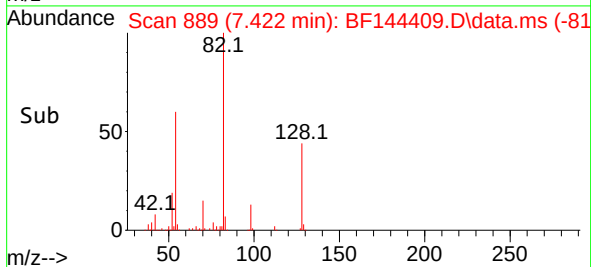
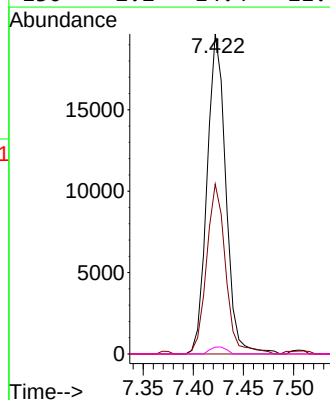
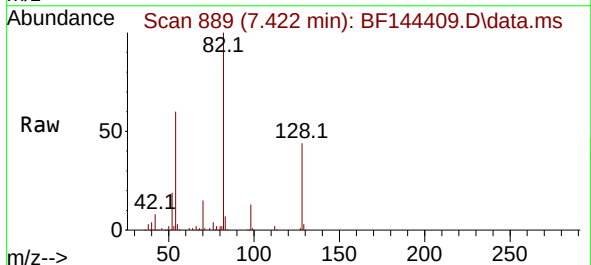
Instrument :
BNA_F
ClientSampleId :
ROW

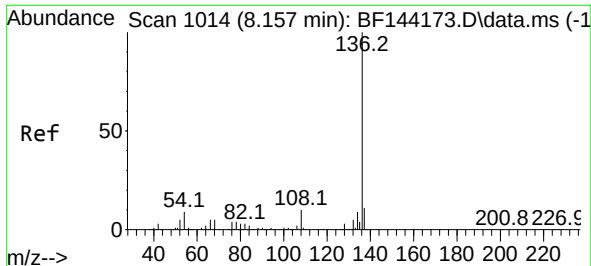
Tgt Ion: 99 Resp: 282900
Ion Ratio Lower Upper
99 100
42 24.5 20.9 31.3
71 36.1 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 14.102 ng
RT: 7.422 min Scan# 889
Delta R.T. 0.147 min
Lab File: BF144409.D
Acq: 02 Dec 2025 18:19

Tgt Ion: 70 Resp: 25622
Ion Ratio Lower Upper
70 100
42 53.1 58.3 87.5#
101 0.0 7.0 10.6#
130 2.2 14.4 21.6#

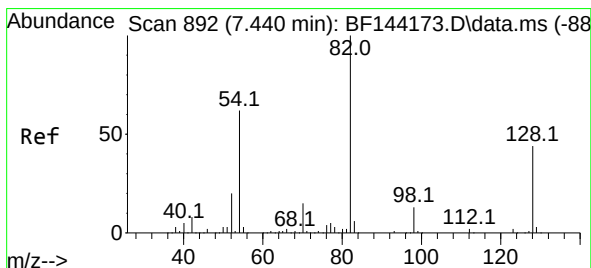
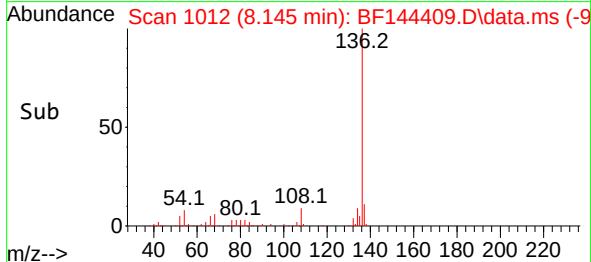
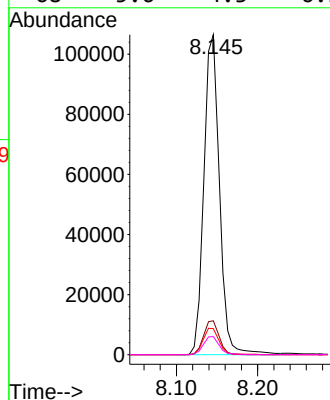
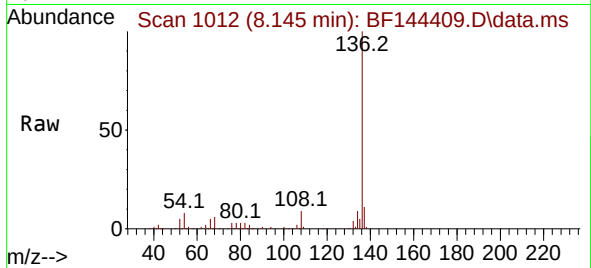




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144409.D
Acq: 02 Dec 2025 18:19

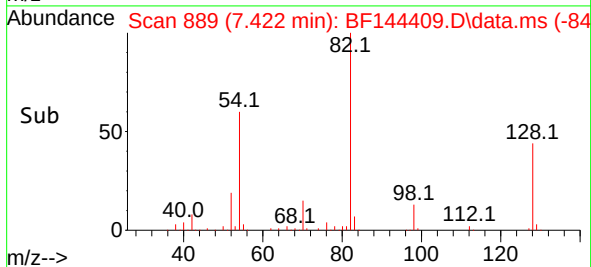
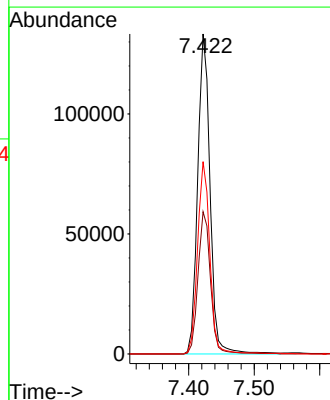
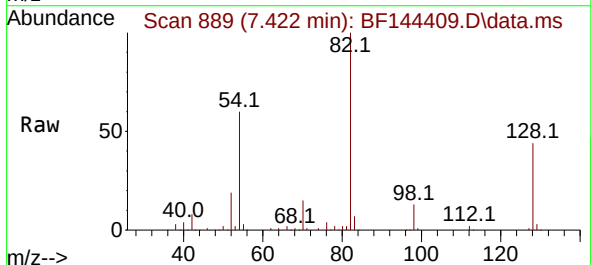
Instrument :
BNA_F
ClientSampleId :
ROW

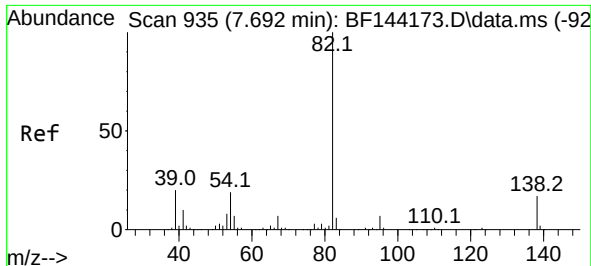
Tgt Ion:	136	Resp:	142017
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	8.2	7.0	10.6
68	5.6	4.3	6.5



#23
Nitrobenzene-d5
Concen: 71.227 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF144409.D
Acq: 02 Dec 2025 18:19

Tgt Ion:	82	Resp:	175143
Ion	Ratio	Lower	Upper
82	100		
128	44.4	34.7	52.1
54	60.1	49.5	74.3

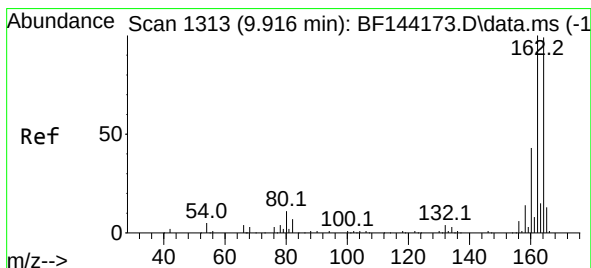
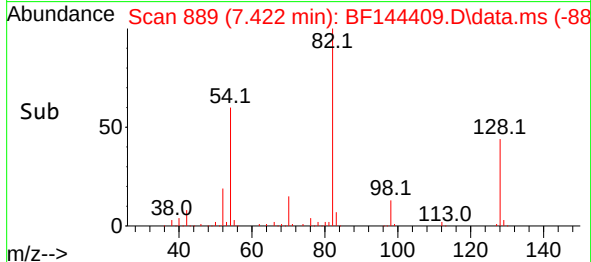
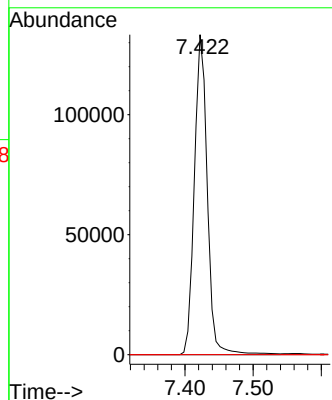
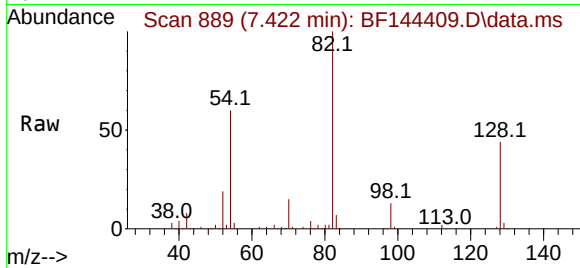




#25
Isophorone
Concen: 37.655 ng
RT: 7.422 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF144409.D
Acq: 02 Dec 2025 18:19

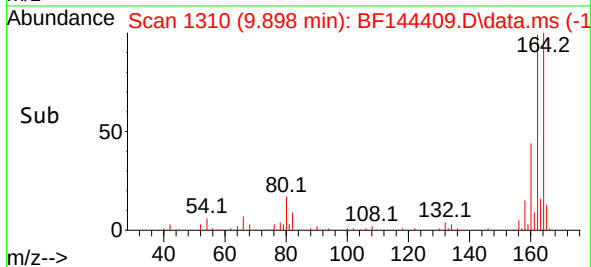
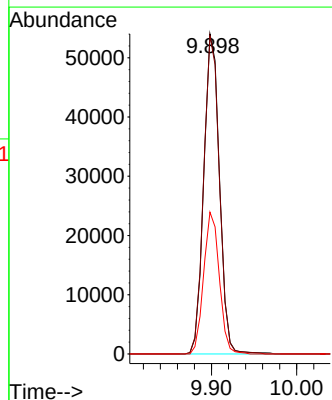
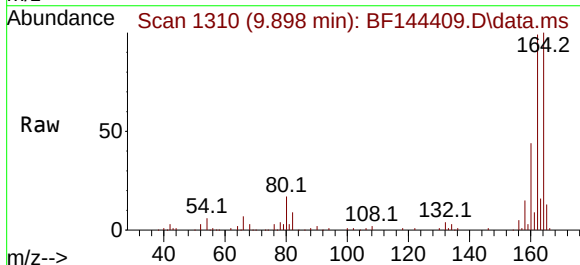
Instrument :
BNA_F
ClientSampleId :
ROW

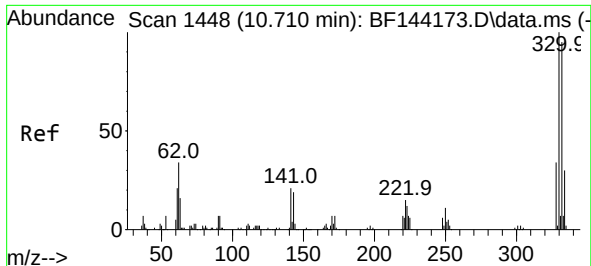
Tgt Ion: 82 Resp: 175141
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144409.D
Acq: 02 Dec 2025 18:19

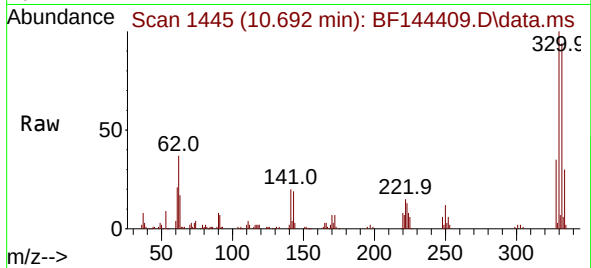
Tgt Ion:164 Resp: 69138
Ion Ratio Lower Upper
164 100
162 99.4 81.1 121.7
160 44.3 34.5 51.7



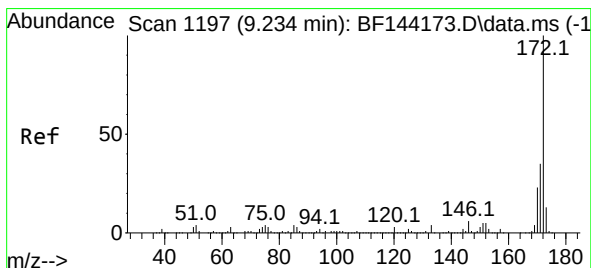
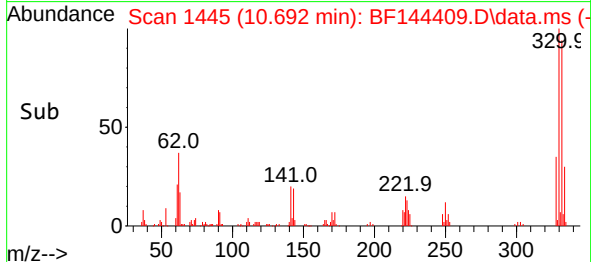
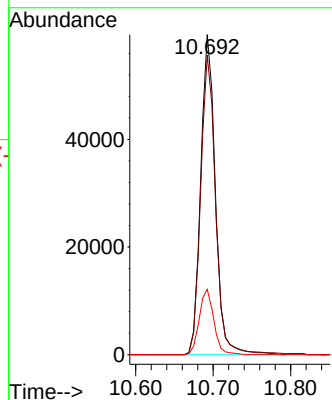


#42
2,4,6-Tribromophenol
Concen: 90.017 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144409.D
Acq: 02 Dec 2025 18:19

Instrument :
BNA_F
ClientSampleId :
ROW

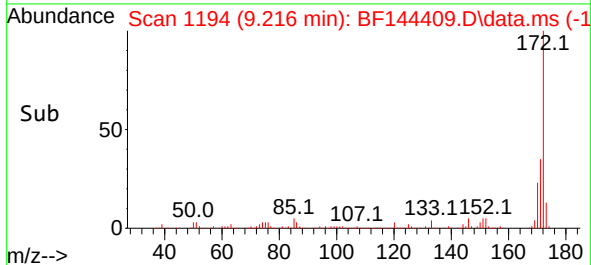
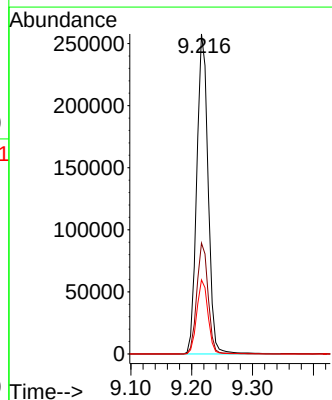
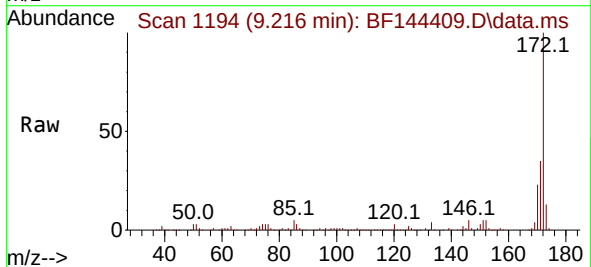


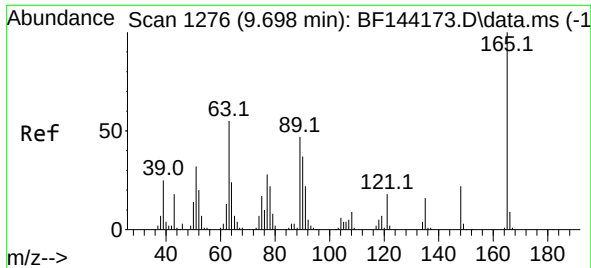
Tgt Ion: 330 Resp: 78099
Ion Ratio Lower Upper
330 100
332 95.4 76.7 115.1
141 20.2 17.8 26.8



#45
2-Fluorobiphenyl
Concen: 71.347 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144409.D
Acq: 02 Dec 2025 18:19

Tgt Ion: 172 Resp: 333987
Ion Ratio Lower Upper
172 100
171 34.7 28.1 42.1
170 23.1 18.6 28.0

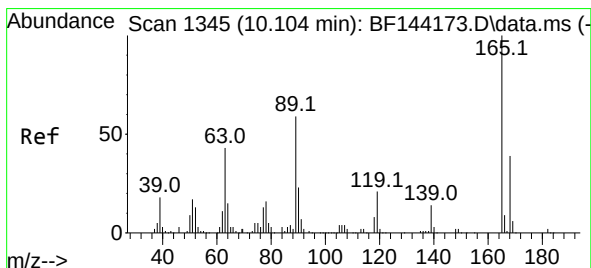
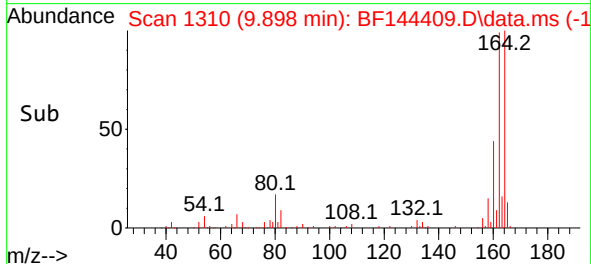
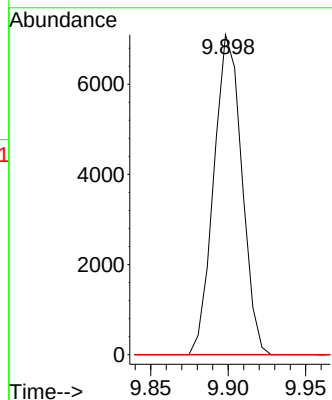
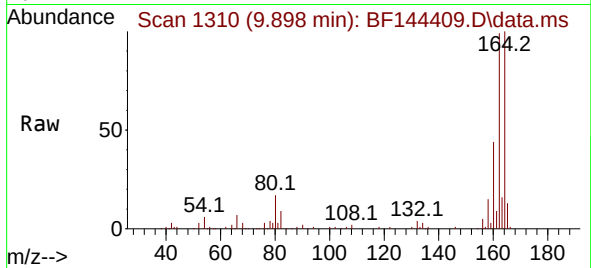




#51
2,6-Dinitrotoluene
Concen: 9.641 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF144409.D
Acq: 02 Dec 2025 18:19

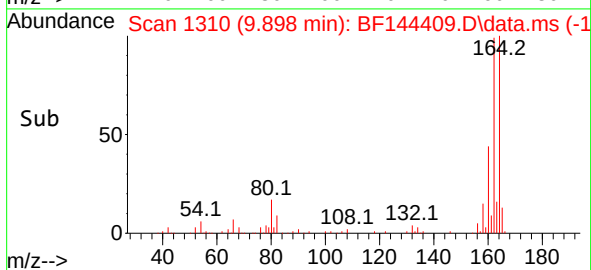
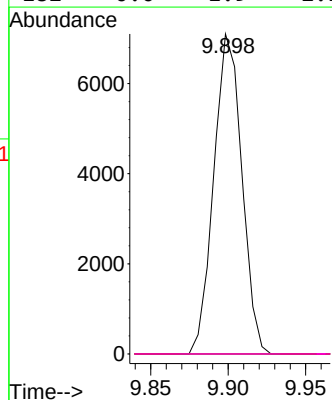
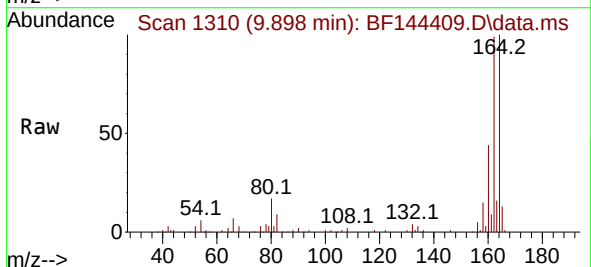
Instrument :
BNA_F
ClientSampleId :
ROW

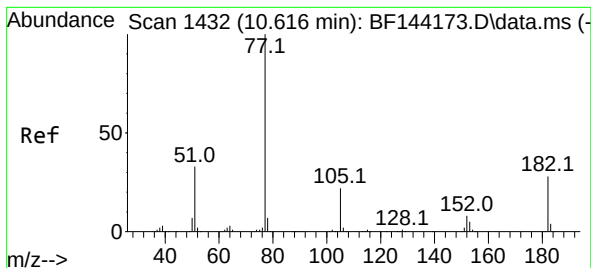
Tgt Ion:165 Resp: 8939
Ion Ratio Lower Upper
165 100
63 0.0 43.8 65.8#
89 0.0 37.5 56.3#



#57
2,4-Dinitrotoluene
Concen: 7.202 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.200 min
Lab File: BF144409.D
Acq: 02 Dec 2025 18:19

Tgt Ion:165 Resp: 8939
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#





#63

Azobenzene

Concen: 5.446 ng

RT: 10.610 min Scan# 14

Delta R.T. -0.006 min

Lab File: BF144409.D

Acq: 02 Dec 2025 18:19

Instrument :

BNA_F

ClientSampleId :

ROW

Tgt Ion: 77 Resp: 21401

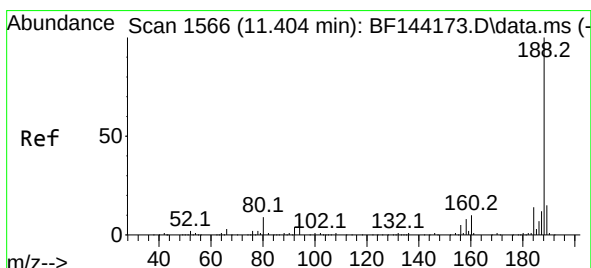
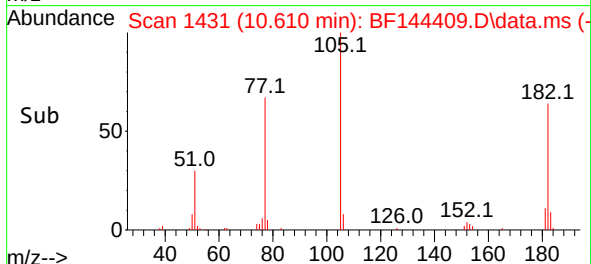
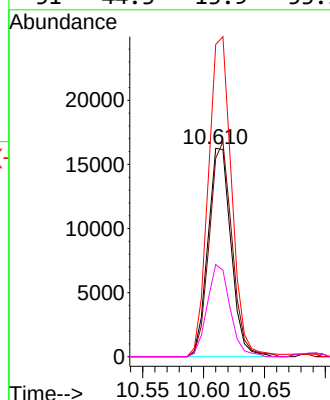
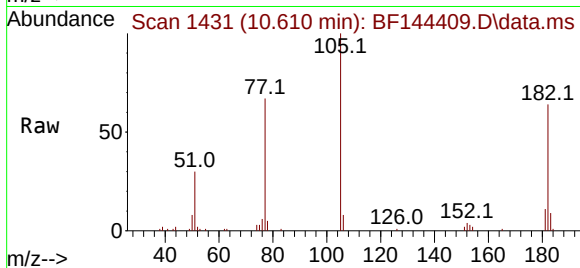
Ion Ratio Lower Upper

77 100

182 95.3 8.1 48.1#

105 149.8 2.0 42.0#

51 44.3 13.9 53.9



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1564

Delta R.T. -0.012 min

Lab File: BF144409.D

Acq: 02 Dec 2025 18:19

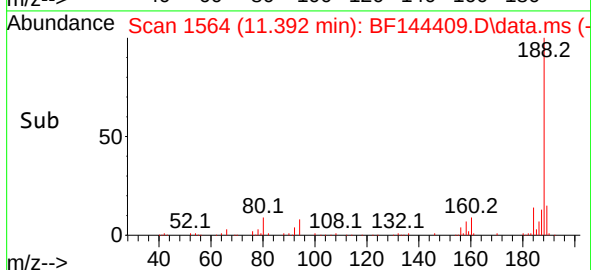
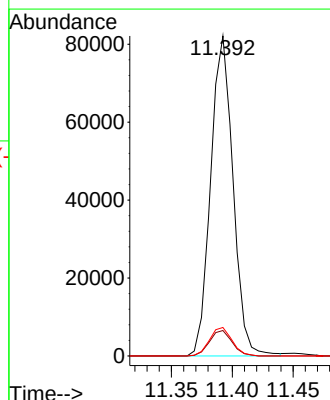
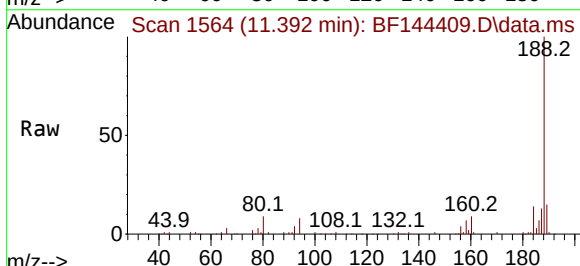
Tgt Ion: 188 Resp: 105135

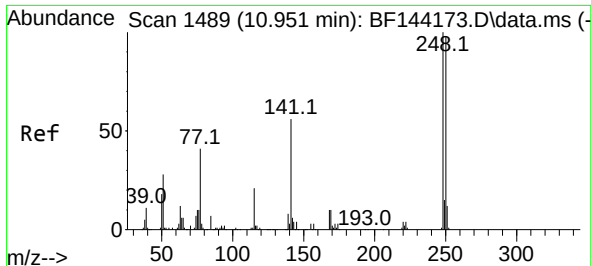
Ion Ratio Lower Upper

188 100

94 7.9 6.2 9.2

80 8.9 6.9 10.3

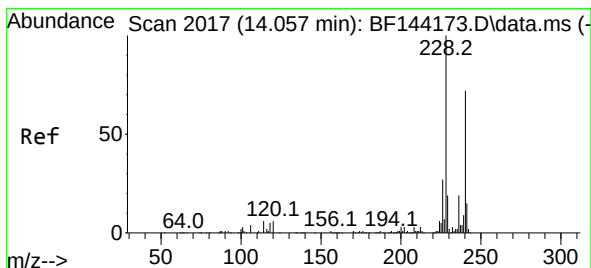
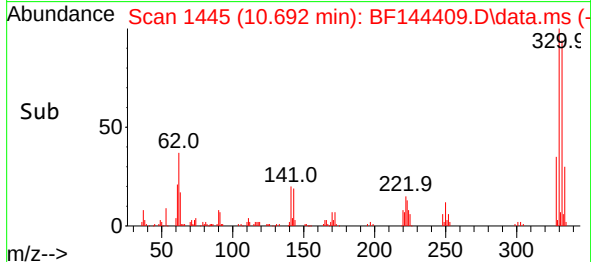
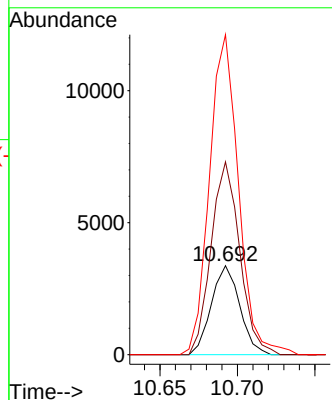
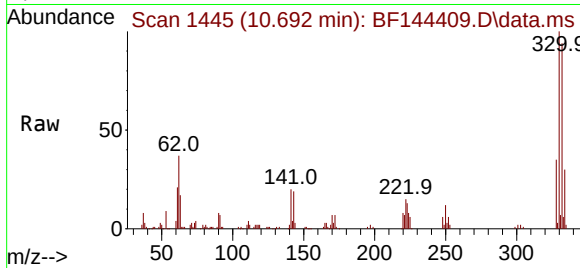




#67
4-Bromophenyl-phenylether
Concen: 3.200 ng
RT: 10.692 min Scan# 1489
Delta R.T. -0.253 min
Lab File: BF144409.D
Acq: 02 Dec 2025 18:19

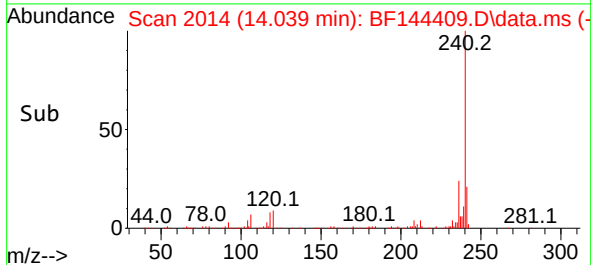
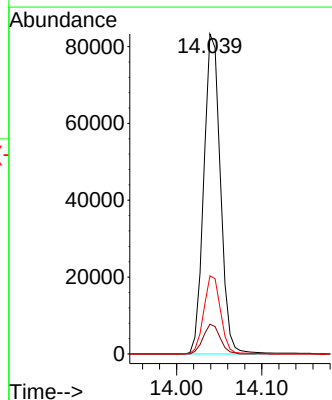
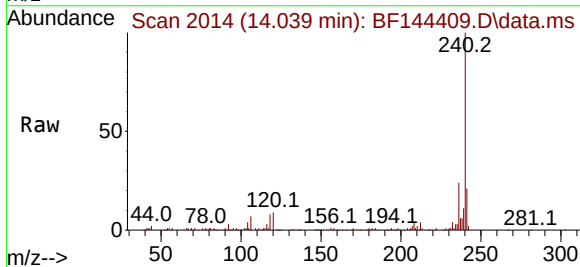
Instrument :
BNA_F
ClientSampleId :
ROW

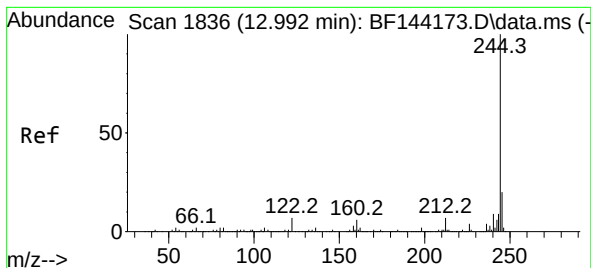
Tgt Ion:248 Resp: 4294
Ion Ratio Lower Upper
248 100
250 216.9 78.4 117.6#
141 359.9 45.1 67.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF144409.D
Acq: 02 Dec 2025 18:19

Tgt Ion:240 Resp: 112776
Ion Ratio Lower Upper
240 100
120 9.3 6.6 10.0
236 24.4 21.4 32.2





#79

Terphenyl-d14

Concen: 45.327 ng

RT: 12.980 min Scan# 1834

Delta R.T. -0.012 min

Lab File: BF144409.D

Acq: 02 Dec 2025 18:19

Instrument :

BNA_F

ClientSampleId :

ROW

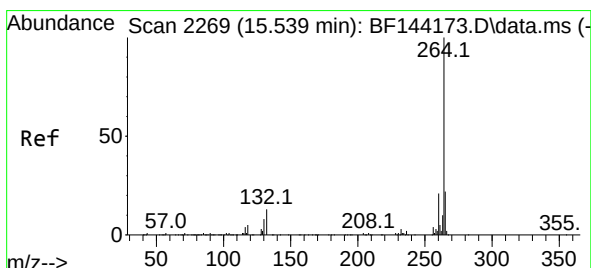
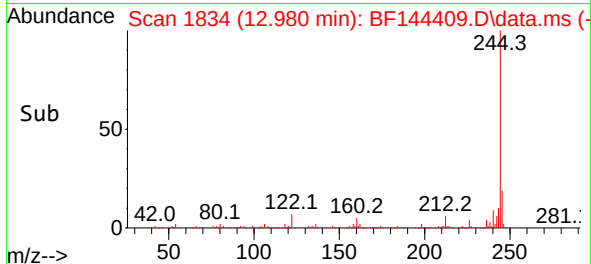
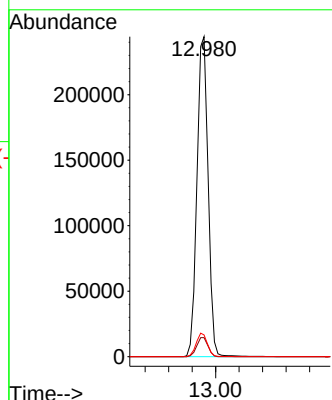
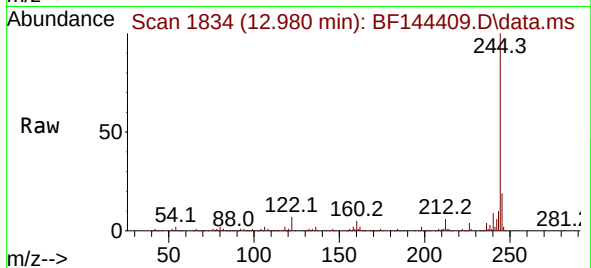
Tgt Ion:244 Resp: 321820

Ion Ratio Lower Upper

244 100

212 6.0 5.3 7.9

122 6.8 5.6 8.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 2266

Delta R.T. -0.018 min

Lab File: BF144409.D

Acq: 02 Dec 2025 18:19

Tgt Ion:264 Resp: 132325

Ion Ratio Lower Upper

264 100

260 22.7 17.1 25.7

265 21.7 17.4 26.0

