

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121225\
 Data File : BF144464.D
 Acq On : 12 Dec 2025 22:02
 Operator : RC/JU
 Sample : Q3839-14
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C0AS3

Quant Time: Dec 12 23:35:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 12 15:57:03 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

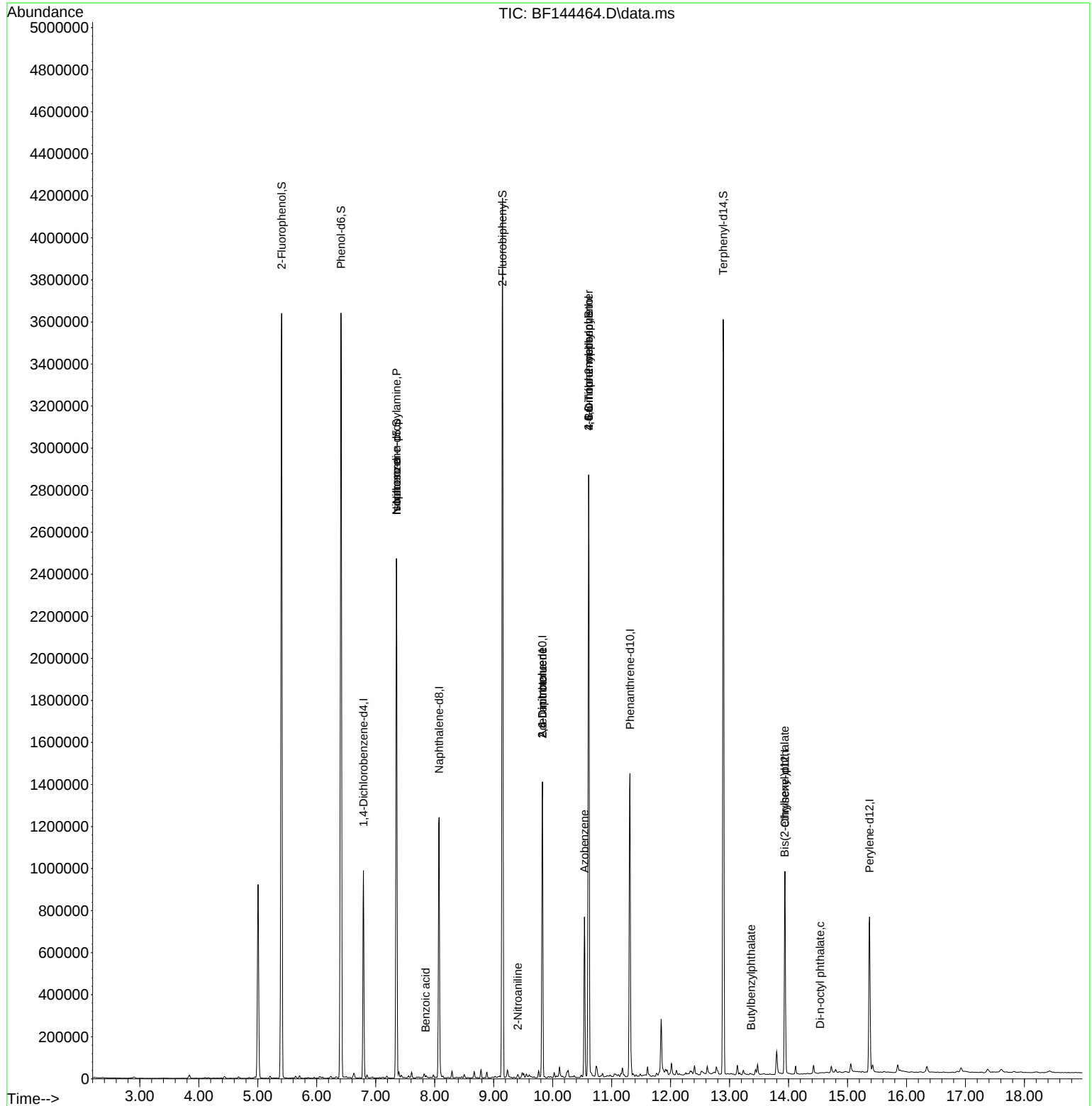
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	199620	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	787978	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	418216	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	726300	20.000	ng	0.00
76) Chrysene-d12	13.939	240	447898	20.000	ng	0.00
86) Perylene-d12	15.374	264	416236	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	1462111	110.439	ng	0.00
7) Phenol-d6	6.410	99	1828084	110.703	ng	0.00
23) Nitrobenzene-d5	7.351	82	1084177	86.101	ng	0.00
42) 2,4,6-Tribromophenol	10.610	330	490501	129.725	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1840008	67.494	ng	0.00
79) Terphenyl-d14	12.892	244	1746663	61.568	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	148254	14.213	ng	# 78
25) Isophorone	7.351	82	1070401	37.666	ng	# 65
32) Benzoic acid	7.845	122	569	6.528	ng	# 68
48) 2-Nitroaniline	9.410	65	248	3.665	ng	# 5
51) 2,6-Dinitrotoluene	9.828	165	54709	13.616	ng	# 24
57) 2,4-Dinitrotoluene	9.828	165	54709	10.998	ng	# 21
63) Azobenzene	10.539	77	187081	6.612	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.610	198	1018	7.091	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	31217	3.682	ng	# 1
80) Butylbenzylphthalate	13.363	149	163	3.269	ng	# 7
84) Bis(2-ethylhexyl)phtha...	13.933	149	6975	3.321	ng	# 95
85) Di-n-octyl phthalate	14.533	149	112	6.506	ng	# 73

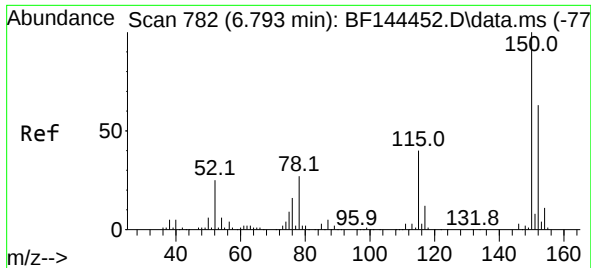
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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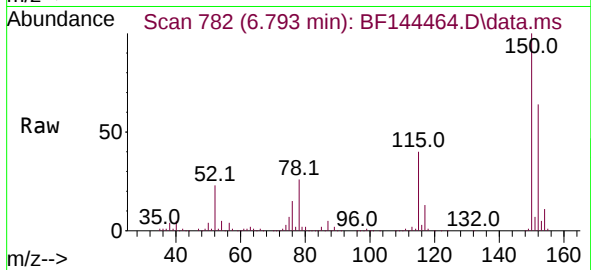
Quant Time: Dec 12 23:35:05 2025
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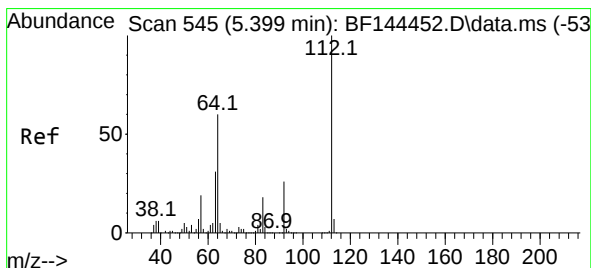
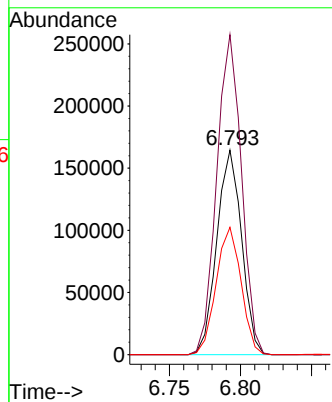
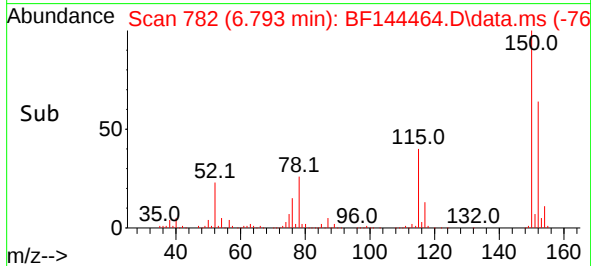


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 782
Delta R.T. -0.000 min
Lab File: BF144464.D
Acq: 12 Dec 2025 22:02

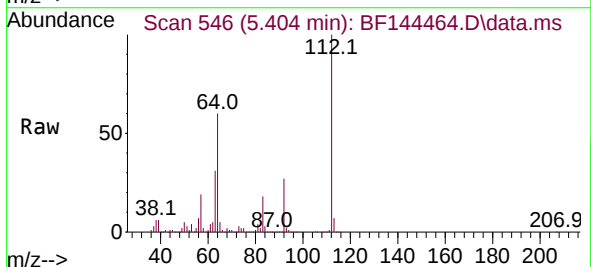
Instrument :
BNA_F
ClientSampleId :
C0AS3



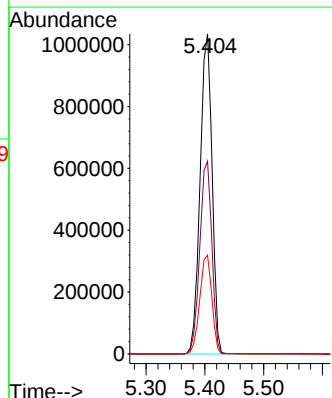
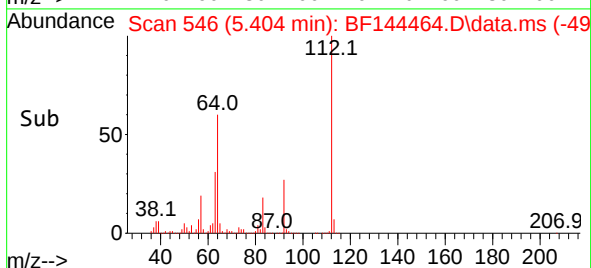
Tgt Ion:152 Resp: 199620
Ion Ratio Lower Upper
152 100
150 156.6 127.4 191.2
115 62.3 51.4 77.0

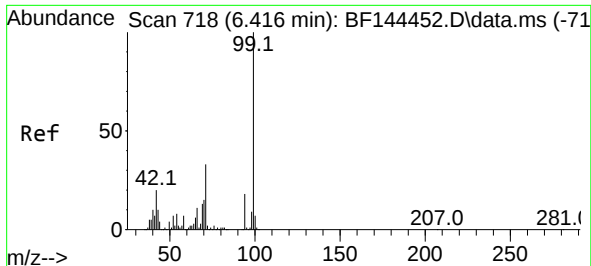


#5
2-Fluorophenol
Concen: 110.439 ng
RT: 5.404 min Scan# 546
Delta R.T. 0.006 min
Lab File: BF144464.D
Acq: 12 Dec 2025 22:02



Tgt Ion:112 Resp: 1462111
Ion Ratio Lower Upper
112 100
64 60.2 47.8 71.6
63 30.8 24.6 37.0



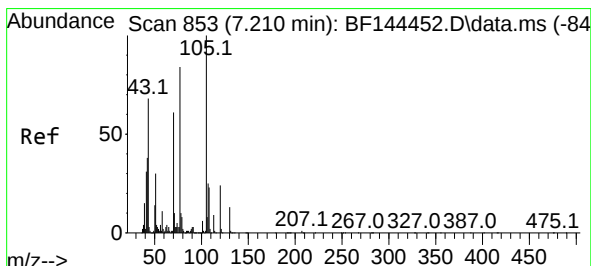
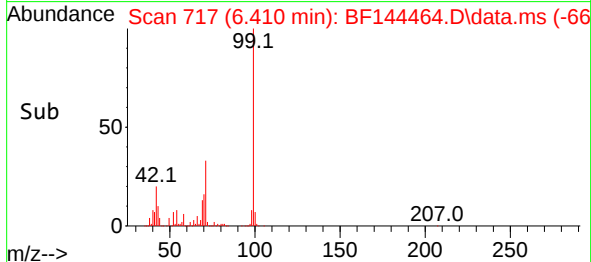
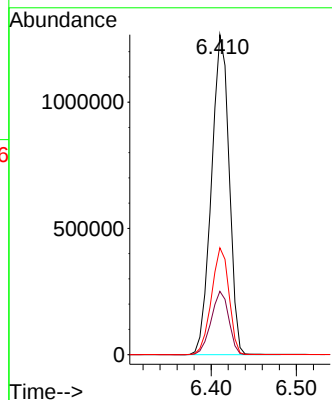
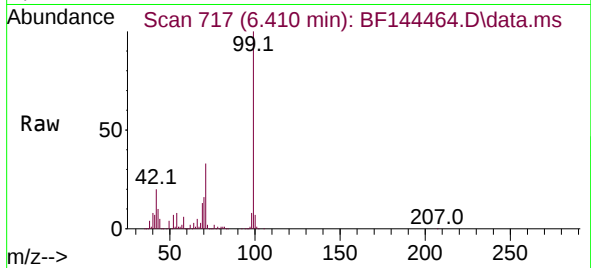


#7
Phenol-d6
Concen: 110.703 ng
RT: 6.410 min Scan# 718
Delta R.T. -0.006 min
Lab File: BF144464.D
Acq: 12 Dec 2025 22:02

Instrument :
BNA_F
ClientSampleId :
C0AS3

Tgt Ion: 99 Resp: 1828084

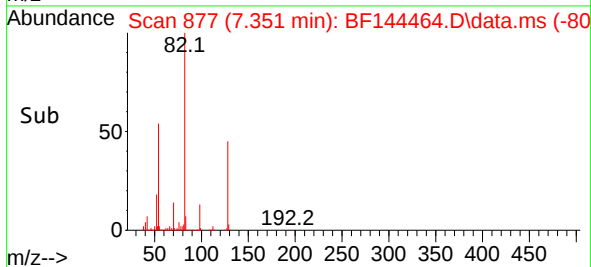
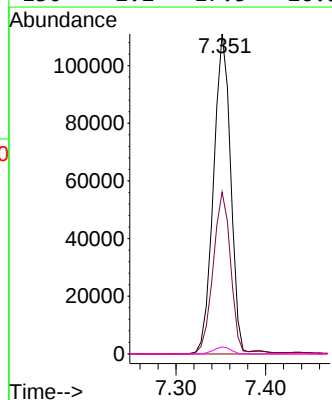
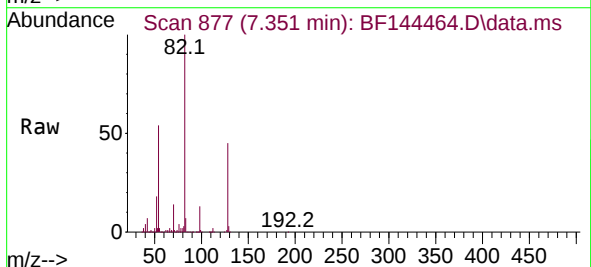
Ion	Ratio	Lower	Upper
99	100		
42	19.8	15.7	23.5
71	33.4	26.4	39.6

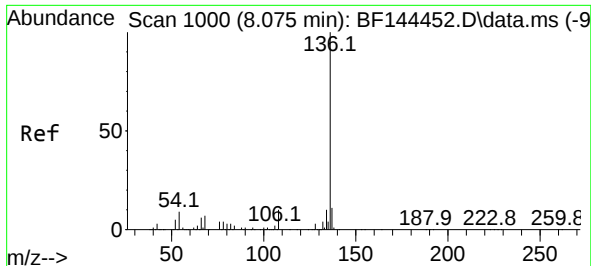


#19
n-Nitroso-di-n-propylamine
Concen: 14.213 ng
RT: 7.351 min Scan# 877
Delta R.T. 0.141 min
Lab File: BF144464.D
Acq: 12 Dec 2025 22:02

Tgt Ion: 70 Resp: 148254

Ion	Ratio	Lower	Upper
70	100		
42	50.6	49.4	74.0
101	0.0	7.8	11.6#
130	2.2	17.5	26.3#



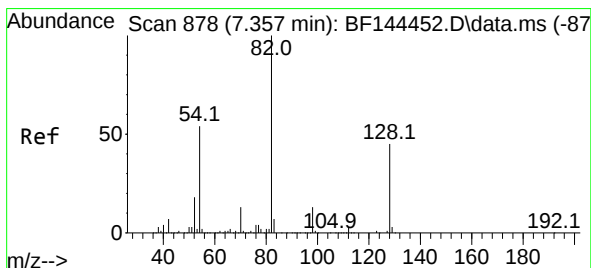
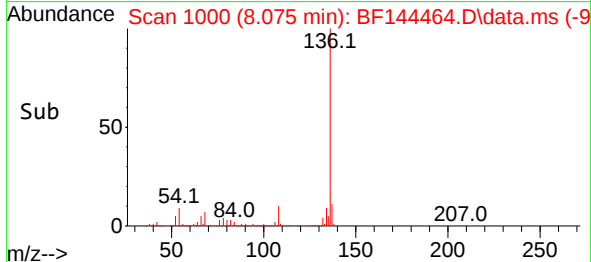
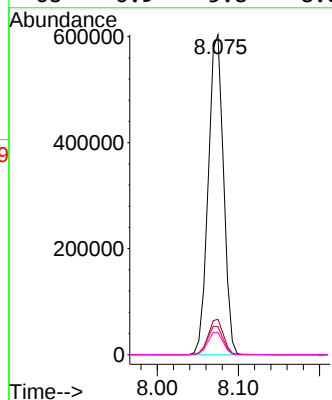
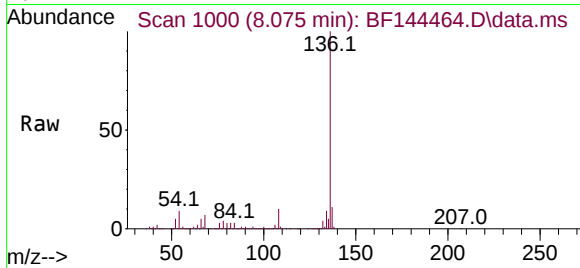


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF144464.D
Acq: 12 Dec 2025 22:02

Instrument :
BNA_F
ClientSampleId :
C0AS3

Tgt Ion:136 Resp: 787978

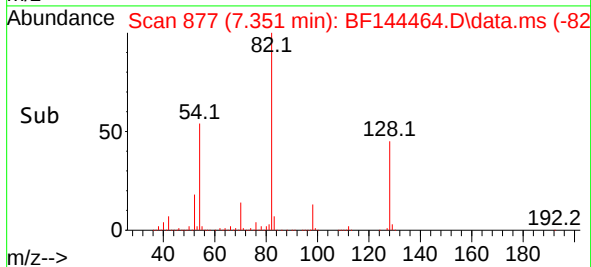
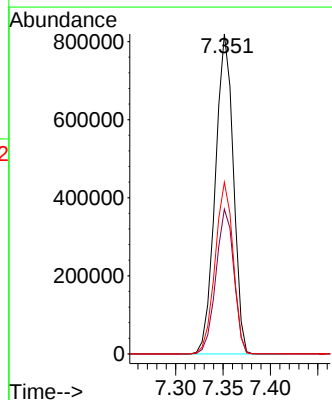
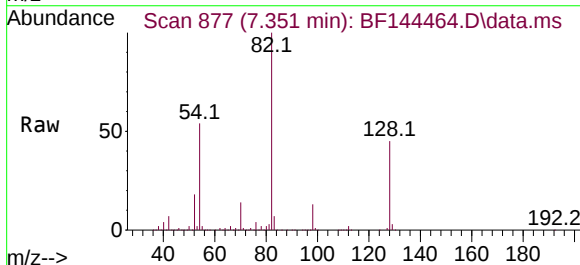
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.7	7.5	11.3
68	6.9	5.8	8.8

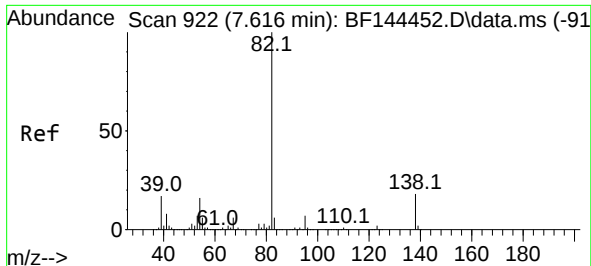


#23
Nitrobenzene-d5
Concen: 86.101 ng
RT: 7.351 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF144464.D
Acq: 12 Dec 2025 22:02

Tgt Ion: 82 Resp: 1084177

Ion	Ratio	Lower	Upper
82	100		
128	45.2	35.5	53.3
54	53.6	43.3	64.9

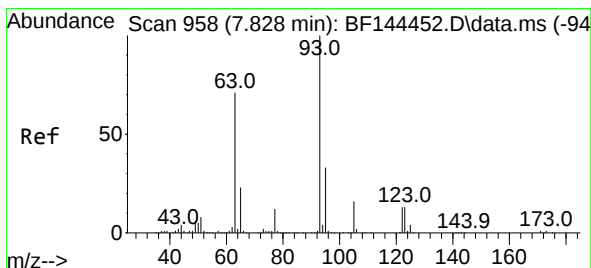
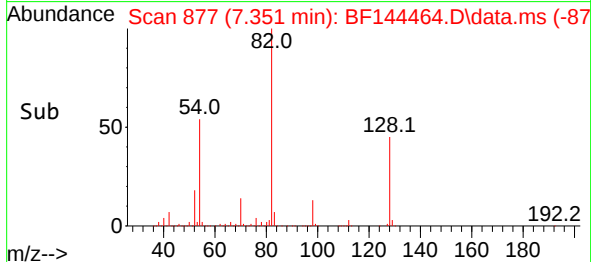
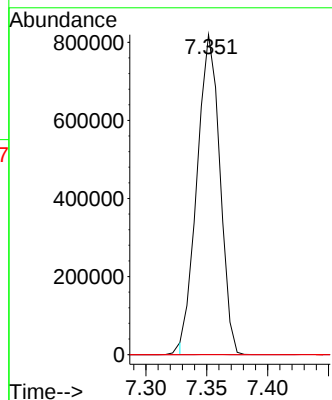
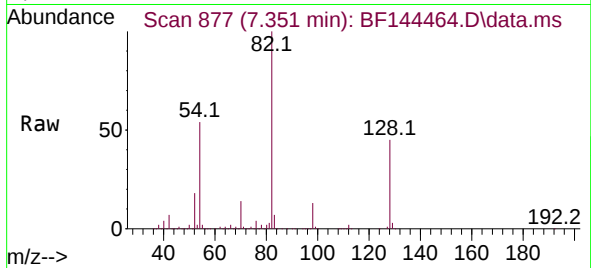




#25
Isophorone
Concen: 37.666 ng
RT: 7.351 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF144464.D
Acq: 12 Dec 2025 22:02

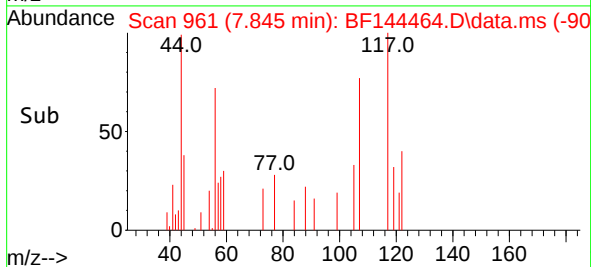
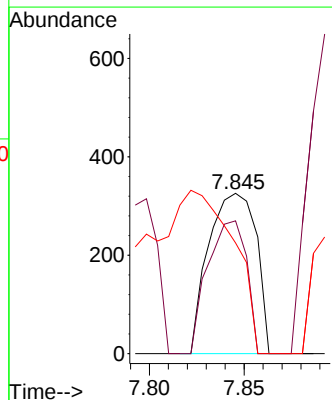
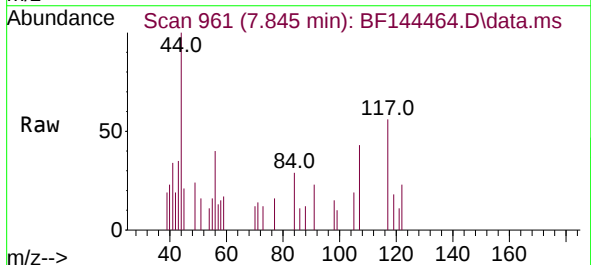
Instrument :
BNA_F
ClientSampleId :
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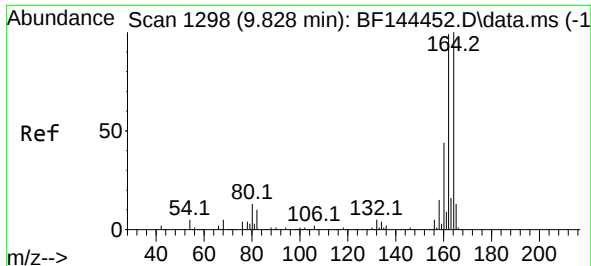
Tgt Ion: 82 Resp: 1070401
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 14.4 21.6#



#32
Benzoic acid
Concen: 6.528 ng
RT: 7.845 min Scan# 961
Delta R.T. 0.017 min
Lab File: BF144464.D
Acq: 12 Dec 2025 22:02

Tgt Ion: 122 Resp: 569
Ion Ratio Lower Upper
122 100
105 82.8 103.2 143.2#
77 69.0 75.1 115.1#

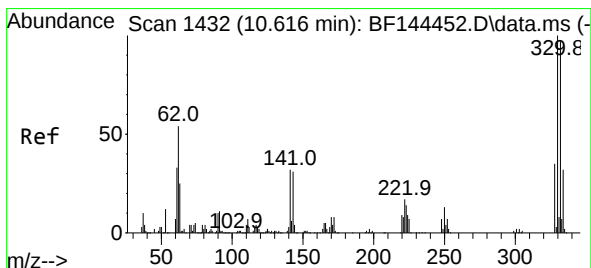
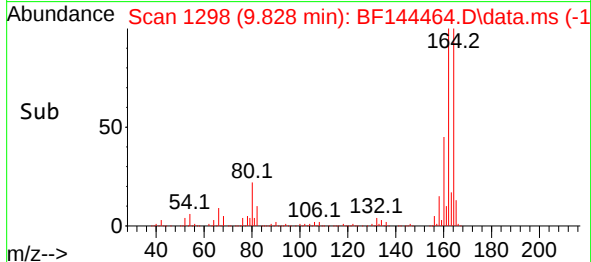
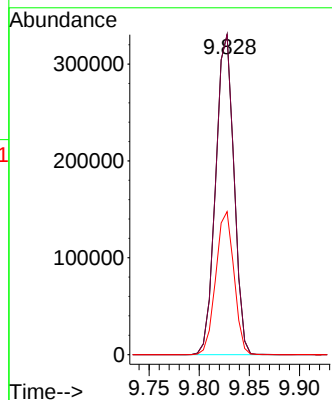
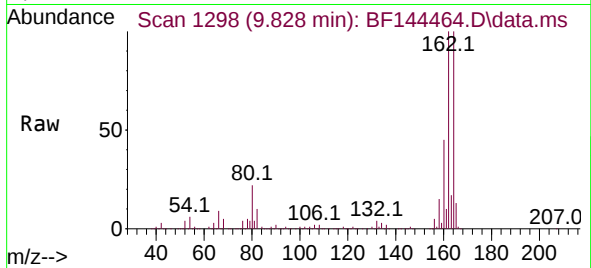




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144464.D
Acq: 12 Dec 2025 22:02

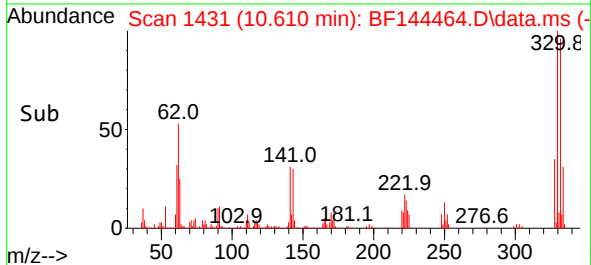
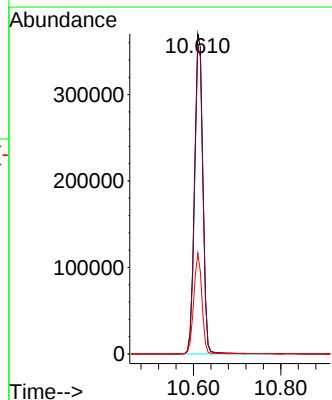
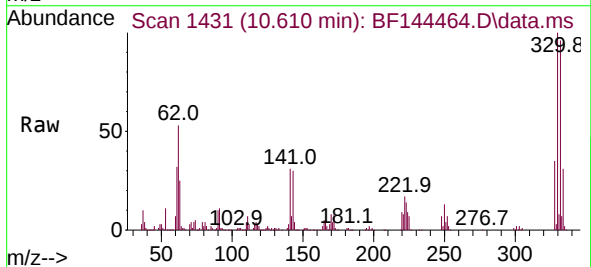
Instrument :
BNA_F
ClientSampleId :
C0AS3

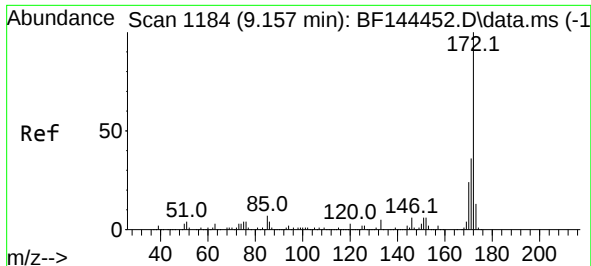
Tgt Ion:164 Resp: 418216
Ion Ratio Lower Upper
164 100
162 100.0 79.2 118.8
160 44.7 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 129.725 ng
RT: 10.610 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF144464.D
Acq: 12 Dec 2025 22:02

Tgt Ion:330 Resp: 490501
Ion Ratio Lower Upper
330 100
332 96.4 77.5 116.3
141 30.5 26.2 39.2

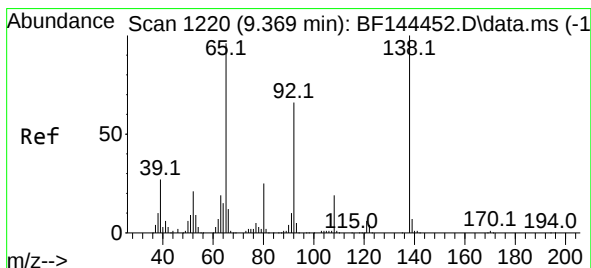
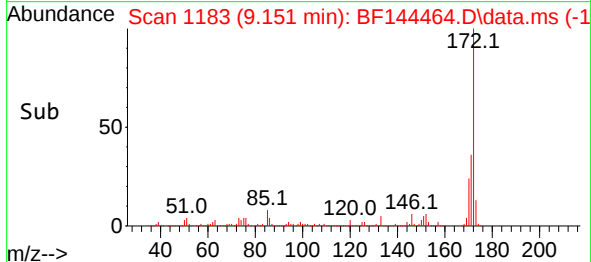
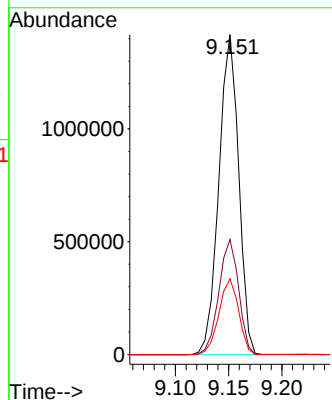
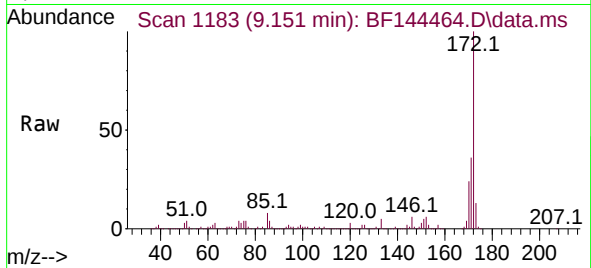




#45
2-Fluorobiphenyl
Concen: 67.494 ng
RT: 9.151 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BF144464.D
Acq: 12 Dec 2025 22:02

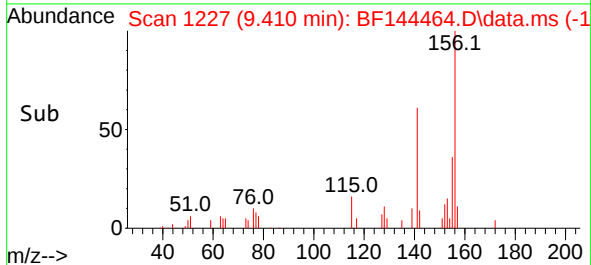
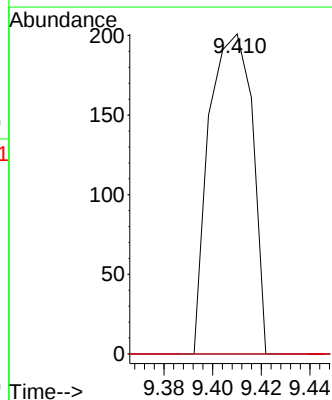
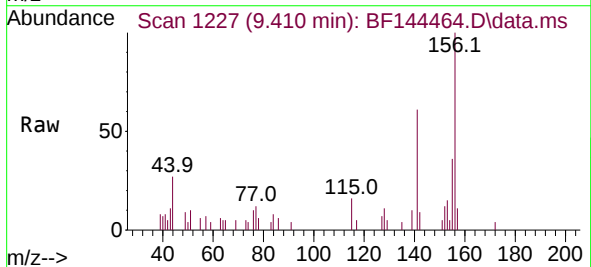
Instrument :
BNA_F
ClientSampleId :
C0AS3

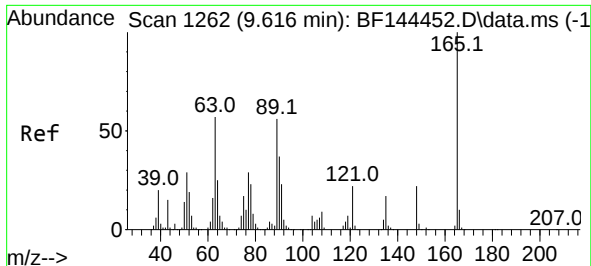
Tgt Ion:172 Resp: 1840008
Ion Ratio Lower Upper
172 100
171 36.0 28.7 43.1
170 23.7 19.3 28.9



#48
2-Nitroaniline
Concen: 3.665 ng
RT: 9.410 min Scan# 1227
Delta R.T. 0.041 min
Lab File: BF144464.D
Acq: 12 Dec 2025 22:02

Tgt Ion: 65 Resp: 248
Ion Ratio Lower Upper
65 100
92 0.0 55.0 82.4#
138 0.0 83.4 125.2#





#51

2,6-Dinitrotoluene

Concen: 13.616 ng

RT: 9.828 min Scan# 1298

Delta R.T. 0.212 min

Lab File: BF144464.D

Acq: 12 Dec 2025 22:02

Instrument :

BNA_F

ClientSampleId :

C0AS3

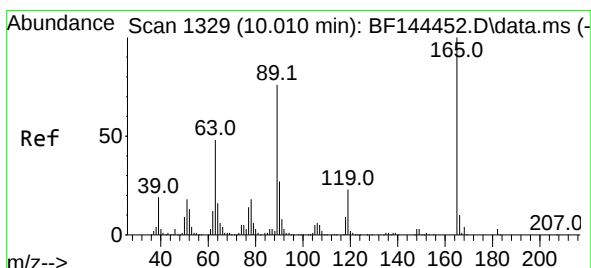
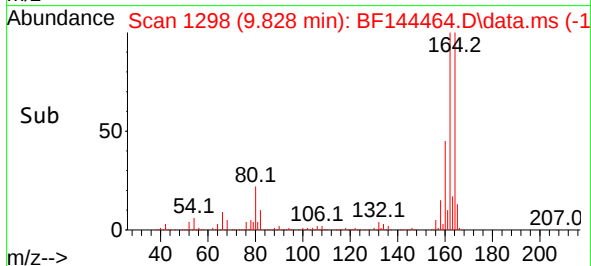
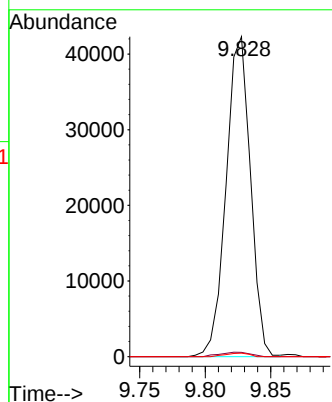
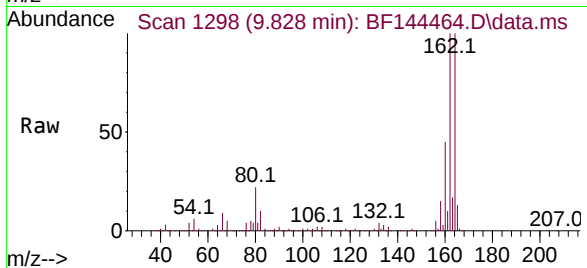
Tgt Ion:165 Resp: 54709

Ion Ratio Lower Upper

165 100

63 1.3 45.9 68.9#

89 1.1 44.6 67.0#



#57

2,4-Dinitrotoluene

Concen: 10.998 ng

RT: 9.828 min Scan# 1298

Delta R.T. -0.182 min

Lab File: BF144464.D

Acq: 12 Dec 2025 22:02

Tgt Ion:165 Resp: 54709

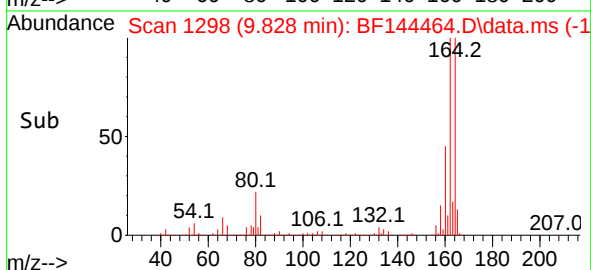
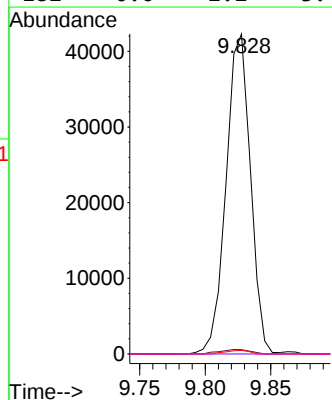
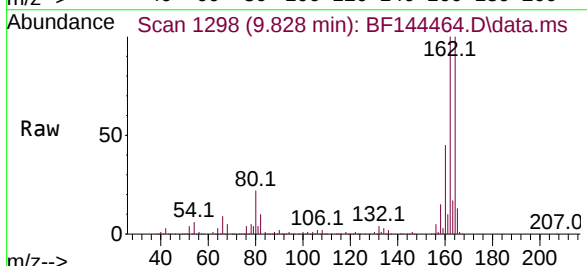
Ion Ratio Lower Upper

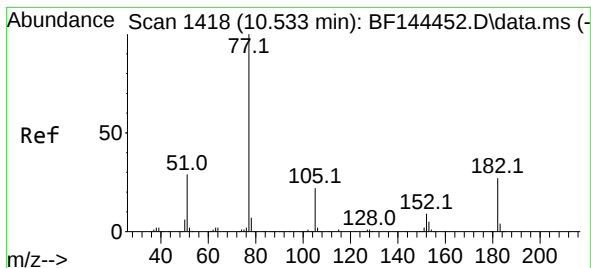
165 100

63 1.3 38.2 57.4#

89 1.1 61.2 91.8#

182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 6.612 ng

RT: 10.539 min Scan# 1418

Delta R.T. 0.006 min

Lab File: BF144464.D

Acq: 12 Dec 2025 22:02

Instrument :

BNA_F

ClientSampleId :

C0AS3

Tgt Ion: 77 Resp: 187081

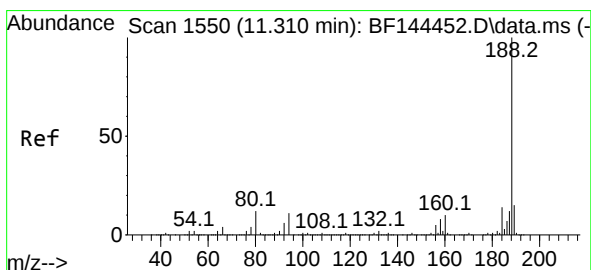
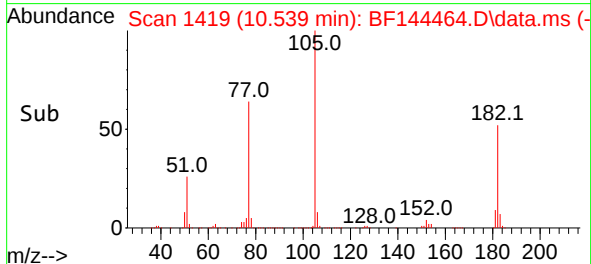
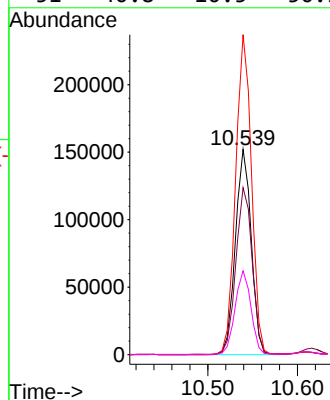
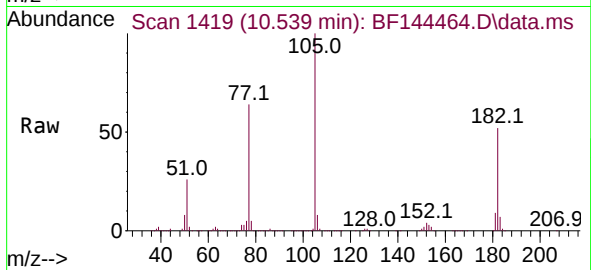
Ion Ratio Lower Upper

77 100

182 81.3 6.1 46.1#

105 155.9 1.5 41.5#

51 40.8 10.5 50.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1550

Delta R.T. -0.000 min

Lab File: BF144464.D

Acq: 12 Dec 2025 22:02

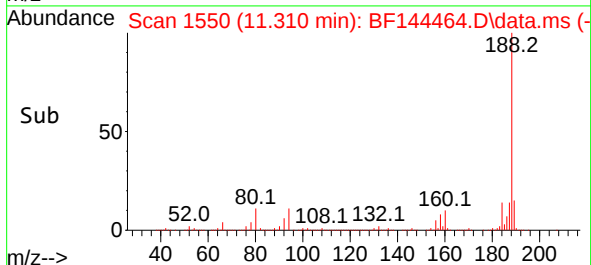
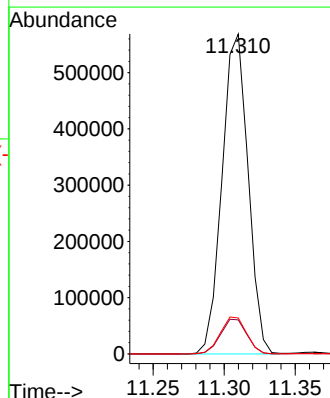
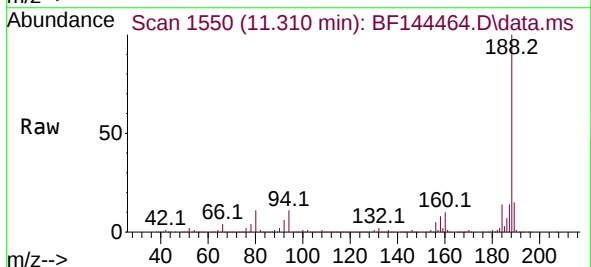
Tgt Ion: 188 Resp: 726300

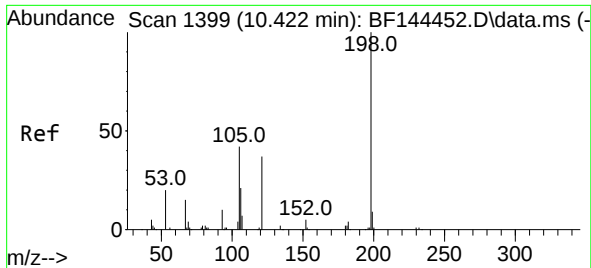
Ion Ratio Lower Upper

188 100

94 10.6 9.0 13.6

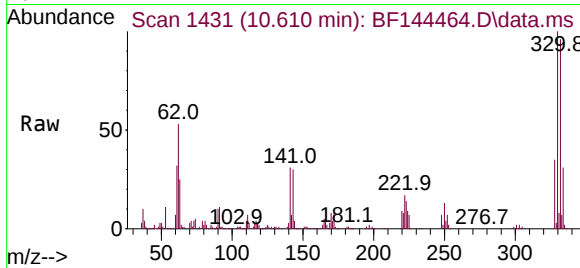
80 11.2 9.8 14.8



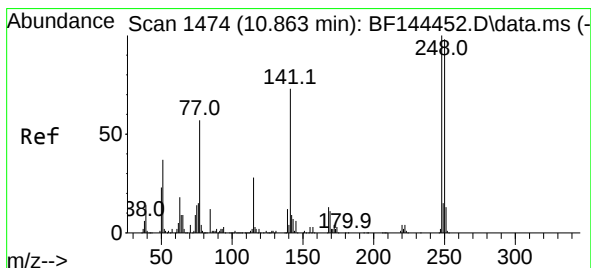
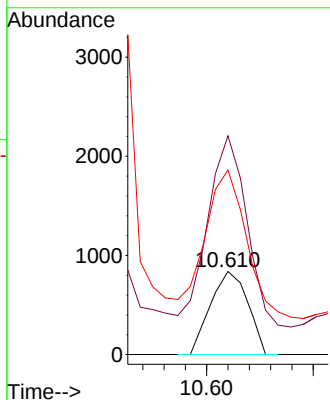
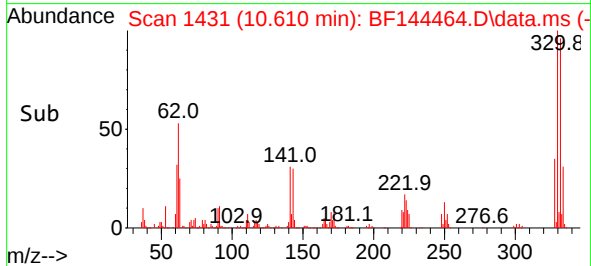


#65
4,6-Dinitro-2-methylphenol
Concen: 7.091 ng
RT: 10.610 min Scan# 1431
Delta R.T. 0.188 min
Lab File: BF144464.D
Acq: 12 Dec 2025 22:02

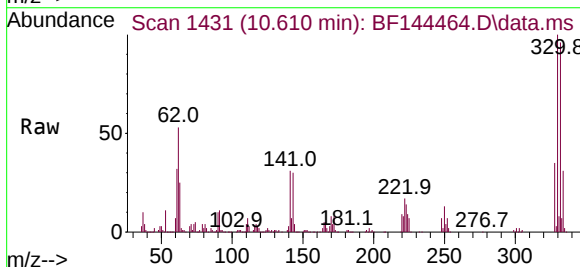
Instrument :
BNA_F
ClientSampleId :
C0AS3



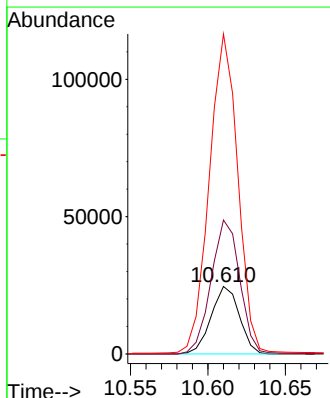
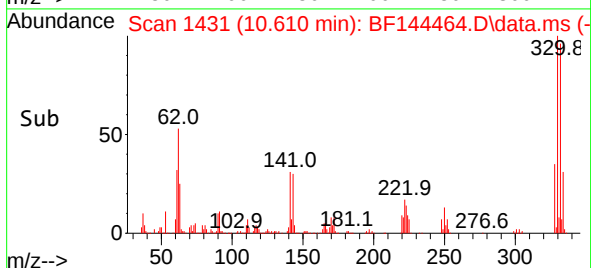
Tgt Ion:198 Resp: 1018
Ion Ratio Lower Upper
198 100
51 263.1 25.5 65.5#
105 221.9 23.4 63.4#

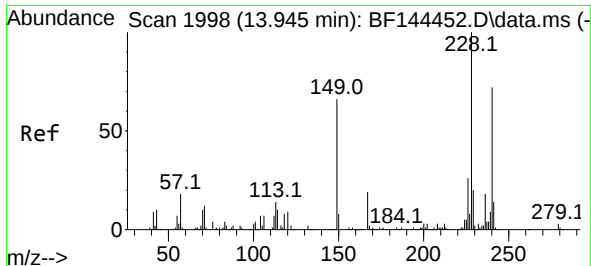


#67
4-Bromophenyl-phenylether
Concen: 3.682 ng
RT: 10.610 min Scan# 1431
Delta R.T. -0.253 min
Lab File: BF144464.D
Acq: 12 Dec 2025 22:02



Tgt Ion:248 Resp: 31217
Ion Ratio Lower Upper
248 100
250 198.3 78.2 117.4#
141 474.1 58.5 87.7#

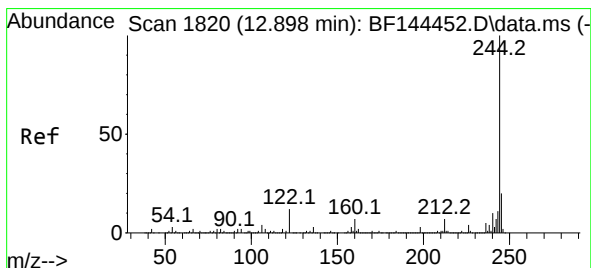
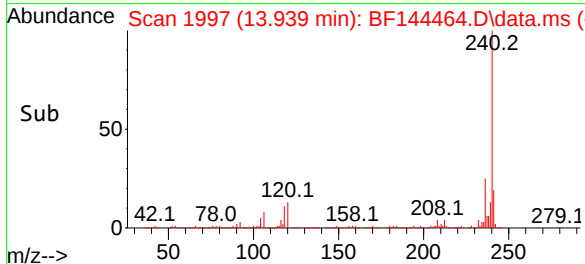
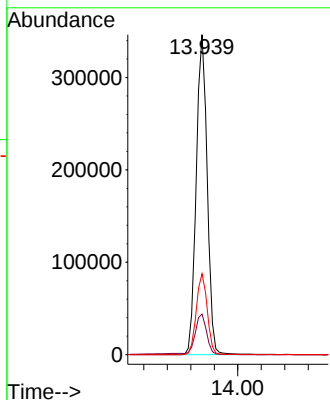
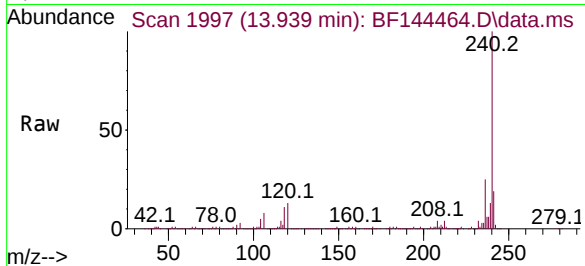




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF144464.D
Acq: 12 Dec 2025 22:02

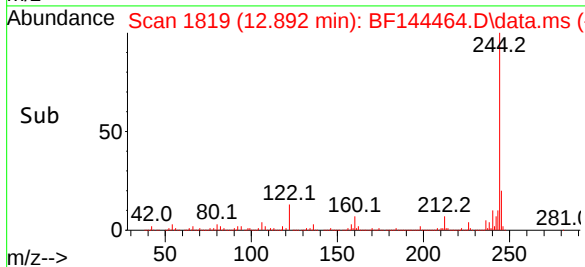
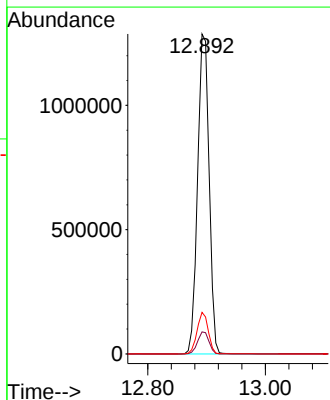
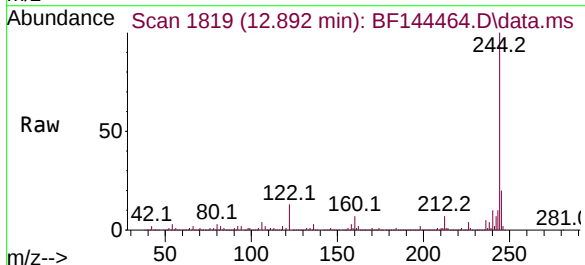
Instrument :
BNA_F
ClientSampleId :
C0AS3

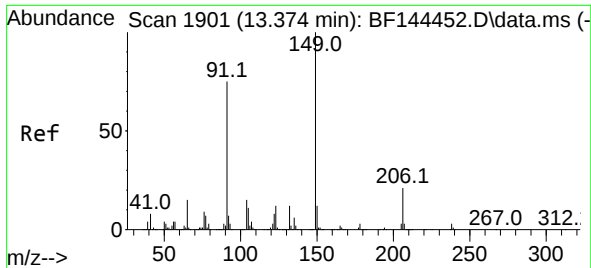
Tgt Ion:240 Resp: 447898
Ion Ratio Lower Upper
240 100
120 12.7 10.3 15.5
236 25.3 20.2 30.4



#79
Terphenyl-d14
Concen: 61.568 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.006 min
Lab File: BF144464.D
Acq: 12 Dec 2025 22:02

Tgt Ion:244 Resp: 1746663
Ion Ratio Lower Upper
244 100
212 6.9 5.7 8.5
122 13.0 9.9 14.9

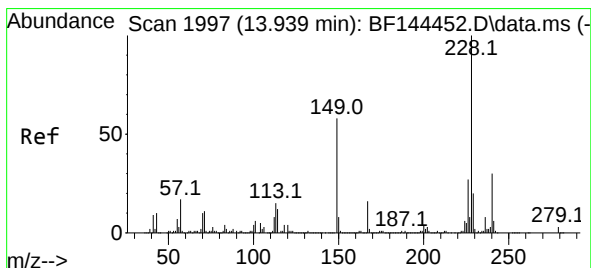
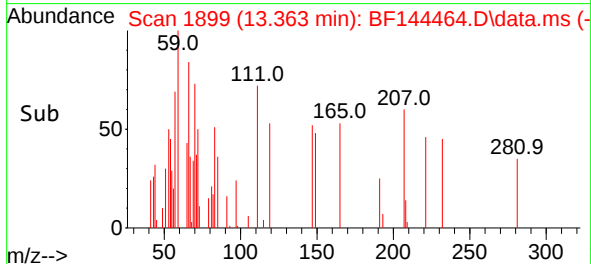
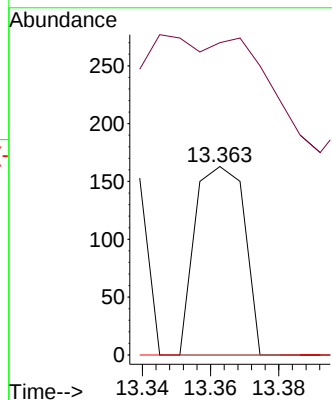
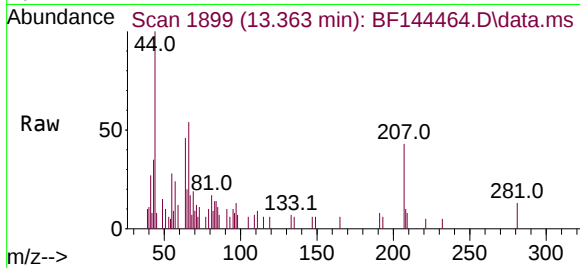




#80
Butylbenzylphthalate
Concen: 3.269 ng
RT: 13.363 min Scan# 1899
Delta R.T. -0.011 min
Lab File: BF144464.D
Acq: 12 Dec 2025 22:02

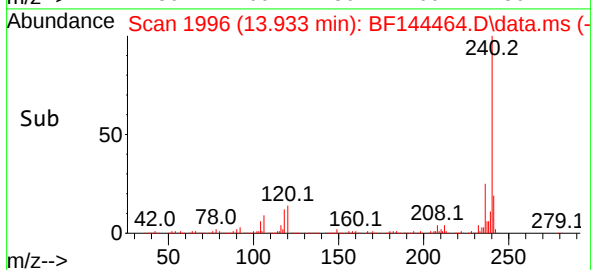
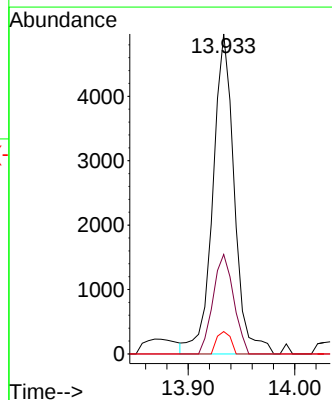
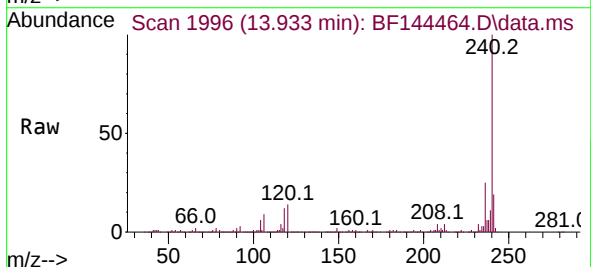
Instrument :
BNA_F
ClientSampleId :
C0AS3

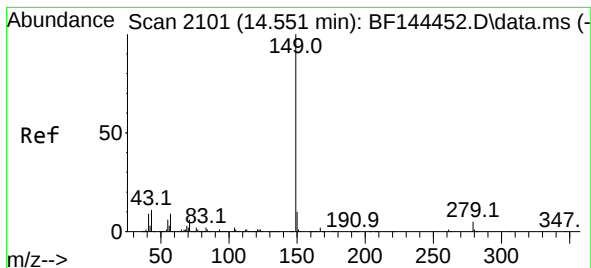
Tgt Ion:	149	Resp:	163
Ion Ratio	Lower	Upper	
149	100		
91	165.6	59.8	89.8#
206	0.0	17.0	25.6#



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.321 ng
RT: 13.933 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BF144464.D
Acq: 12 Dec 2025 22:02

Tgt Ion:	149	Resp:	6975
Ion Ratio	Lower	Upper	
149	100		
167	31.1	22.6	34.0
279	7.0	3.7	5.5#





#85

Di-n-octyl phthalate

Concen: 6.506 ng

RT: 14.533 min Scan# 2098

Delta R.T. -0.018 min

Lab File: BF144464.D

Acq: 12 Dec 2025 22:02

Instrument :

BNA_F

ClientSampleId :

C0AS3

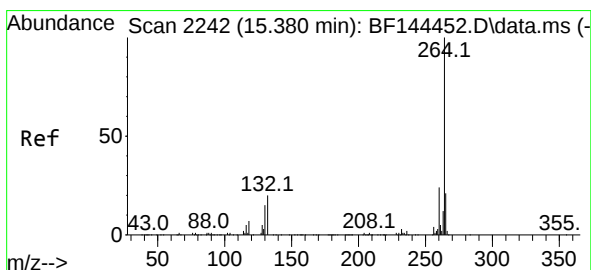
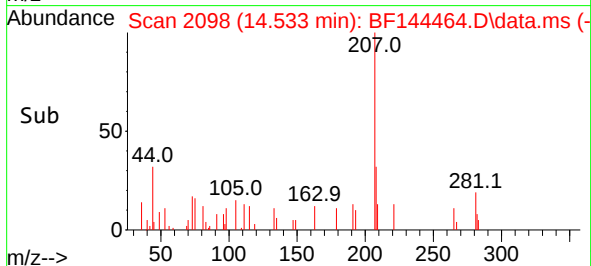
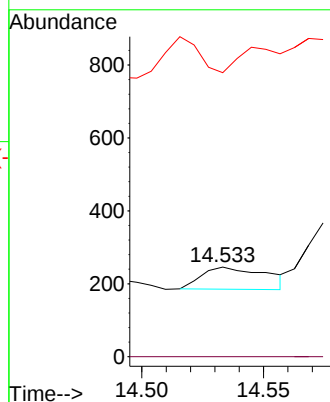
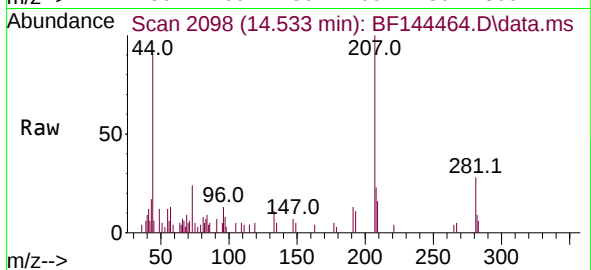
Tgt Ion:149 Resp: 112

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

43 0.0 9.2 13.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.374 min Scan# 2241

Delta R.T. -0.006 min

Lab File: BF144464.D

Acq: 12 Dec 2025 22:02

Tgt Ion:264 Resp: 416236

Ion Ratio Lower Upper

264 100

260 23.3 19.0 28.6

265 21.3 17.1 25.7

